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USAFETAC/DS--91/240

(2)



SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR
POINT LAY, ALASKA

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

APRIL 1991

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13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: JUL 73 - SEP 68 (SYNOPTIC).

*****PLEASE NOTE THAT THESE SUMMARIES COMPILED ARE STRICTLY FROM SYNOPTIC OBSERVATIONS FOR 00,06,12,18 ZULU. THIS MEANS THAT THE SUMMARIES ARE BASED ON FOUR OR LESS OBSERVATIONS PER DAY. THIS FACT SHOULD BE TAKEN IN ACCOUNT WHEN EXAMINING THE SUMMARIES. ALSO, THERE IS NO SUMMARY OF DAY DATA AVAILABLE FOR THIS STATION. THEREFORE, ANY SUMMARY REQUIRING SUMMARY OF THE DAY DATA IS NOT INCLUDED WITH THIS PRODUCT.*****

HOURS SUMMARIZED: SYNOPTIC HOURS 00,06,12,18 ZULU (03,09,15,21 LST) ONLY

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/ OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY 701210	STATION NAME POINT LAY, AK	LATITUDE N 69 44	LONGITUDE W 163 01	FLD ELEV (FT) 20	CALL SIGN PPIZ	WMO NMBR
STATION LOCATION AND INSTRUMENTATION HISTORY						
NOT AVAILABLE FOR THIS SITE						

PPPPPF PP	AAAAAA	RRRRRZR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAA	RRRRRRRR	TT	AAAAAAA
PP	AAAAAAA	RR RR	TT	AAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL ORST	TOTAL TO VSN	NO. OF OBS
00-02													0
03-05		.2		6.0		6.2	8.4		23.1		37.7		403
06-08													0
09-11		.3		5.9		6.2	6.9		20.0		33.1		390
12-14													0
15-17				4.8		4.8	11.6		25.1	.5	42.1		378
18-20													0
21-23				6.7		6.7	5.7		22.9		35.4		401
ALL HOURS		.1		5.9		6.0	8.1		22.8	.1	37.0		1572

MONTH: FEB													
00-02													0
03-05				7.1		7.1	6.5		12.7		26.3		339
06-08													0
09-11				7.5		7.5	5.0		15.6	.3	28.4		320
12-14													0
15-17		.3		5.2		5.5	5.8		22.0	.3	33.5		328
18-20													0
21-23				4.9		4.9	2.9		21.6	.3	29.7		347
ALL HOURS		.1		6.1		6.2	5.0		18.0	.2	29.5		1334

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05				3.3		3.3		6.0		18.4	.2	27.9
06-08												0
09-11	.3			2.6		2.6		15.6		22.7		40.8
12-14												0
15-17				1.3	.3	1.5		10.3	.3	24.6	.3	36.8
18-20												0
21-23				1.6		1.6		7.9		22.4	.5	32.5
ALL HOURS	.1			2.2	.1	2.3		9.8	.1	22.0	.2	34.4
												1638

MONTH: APR

00-02												0
03-05	.2			4.7	.2	4.9		5.1		16.5		26.5
06-08												0
09-11				6.8		6.8		11.9		20.8		39.5
12-14												0
15-17	.2			3.7		4.0		5.2		26.9	.5	36.5
18-20												0
21-23				5.3		5.3		3.8		19.9		29.0
ALL HOURS	.1	.1		5.1	.1	5.2		6.4		21.0	.1	32.7
												1637

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AR
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY

HOURS (LST)	TSTMS PRECIP	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL PRECIP	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	.2	.7		4.4		5.1	10.4		7.4		22.8	434
06-08												0
09-11		.5	.2	4.4		5.1	12.0		7.8		24.9	409
12-14												0
15-17		.7		4.8		5.5	4.8		9.7		20.0	421
18-20												0
21-23				4.4		4.4	4.2		8.8		17.4	432
ALL HOURS	.1	.5	.1	4.5		5.0	7.8		8.4		21.2	1696

MONTH: JUN

00-02												0
03-05		5.0		2.7		7.7	13.4				21.1	441
06-08												0
09-11		5.9	.2	2.2		8.3	10.0			.2	18.6	409
12-14												0
15-17		3.2		1.7		4.9	4.7				9.6	405
18-20												0
21-23		2.3		1.6		3.9	4.6			.2	8.8	433
ALL HOURS	4.1	.1	2.1			6.2	8.2			.1	14.6	1688

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL

HOURS (LST)	TSTM	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL PRECIP	ALL PRECIP	FOG & OR HAZE	SMOKE SNOW	BLOWING & OR DUST	DUST & OR SAND	ALL OBST	TOTAL NO. OF OBS
00-02												0
03-05		8.2		.5		8.6	10.7				19.3	429
06-08												0
09-11		9.7		.5		10.1	12.1				22.3	404
12-14												0
15-17		9.0				9.0	5.0				14.1	398
18-20												0
21-23	.2	5.4		.5		5.8	5.6	.2			11.7	429
ALL HOURS	.1	8.0		.4		8.4	8.4	.1			16.8	1660

MONTH: AUG

00-02												0	
03-05		11.0		.9		11.9	9.7	.2			21.8	445	
06-08												0	
09-11		14.5		2.5		17.0	10.4	.3			18.0	393	
12-14												0	
15-17		8.4		.2		8.7	4.6	.2			13.5	416	
18-20												0	
21-23		11.4		1.2		12.5	5.1	.2			17.9	431	
ALL HOURS		11.3		1.2		12.5	7.4	.2			.1	20.2	1685

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE & OR HAZE	BLOWING SNOW	DUST & OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05		9.1		7.4		16.5	7.2				23.7	417
06-08												0
09-11		7.5	.2	9.9		17.5	9.9		.2	.2	27.9	416
12-14												0
15-17		6.3		7.3		13.7	2.9		.2		16.8	410
18-20												0
21-23		8.0		5.2		13.1	5.4		.2		18.7	427
ALL HOURS		7.7	.1	7.4		15.2	6.3		.2	.1	21.8	1670

MONTH: OCT

00-02												0	
03-05		.2		12.6		12.9	3.2		5.2	.5	21.8	404	
06-08												0	
09-11		.5		8.9		9.4	4.1		6.1	.3	19.9	392	
12-14												0	
15-17		.8		10.2		10.9	2.8		9.2		22.9	393	
18-20												0	
21-23		.2		12.3		12.3	1.7		7.1		21.1	407	
ALL HOURS		.1	.4		11.0		11.4	2.9		6.9	.2	21.4	1596

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV

HOURS (LST)	TSTMS PRECIP	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG & OR HAZE	SMOKE SNOW	BLOWING & OR DUST SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02											0
03-05	.2			8.4		8.7	2.0		13.6		24.3
06-08											0
09-11				5.3		5.3	3.2		16.0		24.6
12-14											0
15-17	.5			6.0		6.6	8.1		15.7		30.4
18-20											0
21-23				7.0		7.0	2.5		14.3	.3	24.1
ALL HOURS	.2			6.7		6.9	3.9		14.9	.1	25.8
											1558

MONTH: DEC

00-02											0
03-05				4.8		4.8	4.5		20.4		29.6
06-08											0
09-11				5.1		5.1	4.6		20.7	.3	30.6
12-14											0
15-17				4.0		4.0	9.5		21.2		34.7
18-20											0
21-23				6.9		6.9	5.3		20.9		33.1
ALL HOURS				5.2		5.2	6.0		20.8	.1	32.0
											1540

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE & OR HAZE	BLOWING SNOW	DUST & OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS	
JAN		.1		5.9		6.0	8.1		22.8	.1	37.0	1572	
FEB		.1		6.1		6.2	5.0		18.0	.2	29.5	1334	
MAR		.1		2.2	.1	2.3	9.8	.1	22.0	.2	34.4	1638	
APR		.1	.1	5.1	.1	5.2	6.4		21.0	.1	32.7	1637	
MAY		.1	.5	.1	4.5		5.0	7.8		8.4		21.2	1696
JUN		4.1	.1	2.1		6.2	8.2				.1	14.6	1688
JUL		.1	8.0		.4		8.4	8.4	.1			16.8	1660
AUG		11.3		1.2		12.5	7.4	.2			.1	20.2	1685
SEP		7.7	.1	7.4		15.2	6.3			.2	.1	21.8	1670
OCT		.1	.4	11.0		11.4	2.9		6.9	.2	21.4	1596	
NOV			.2	6.7		6.9	3.9		14.9	.1	25.8	1558	
DEC				5.2		5.2	6.0		20.8	.1	32.0	1540	
ANNUAL		.0	2.8	.0	4.7	.0	7.6	6.8	.0	10.9	.1	25.4	19274

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05					.2		.2					
06-08												
09-11							.3					
12-14												
15-17												
18-20												
21-23								.2				.2
ALL HOURS				.1	.1	.1		.1				.1
TOTAL OBS	1572	1334	1638	1637	1696	1688	1660	1685	1670	1596	1558	1540

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER:	701210	STATION NAME:	POINT LAY AK	PERIOD OF RECORD: JAN 73 - SEP 88				
		LST TO UTC:	+ 9	MONTH: JAN	HOURS: ALL			
PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS	
TSTM'S								
LIQUID PRECIP				100.0			2	
FREEZING PRECIP								
FROZEN PRECIP	8.8		23.1	23.1	22.0	23.1	91	
FOG	10.1		59.7	20.2	7.8	2.3	129	
FOG WITH VIS GE 1/2 MILES	11.1		61.6	14.1	10.1	3.0	99	
TOTAL OBS	149	0	568	339	215	113	0	1384

MONTH: FEB HOURS: ALL

TSTM'S								
LIQUID PRECIP			100.0				1	
FREEZING PRECIP								
FROZEN PRECIP	19.8		38.3	9.9	12.3	19.8	81	
FOG	10.3		45.6	19.1	13.2	11.8	68	
FOG WITH VIS GE 1/2 MILES	9.3		44.4	16.7	14.8	14.8	54	
TOTAL OBS	108	0	444	238	194	130	0	1114

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210	STATION NAME: POINT LAY AK	PERIOD OF RECORD: JAN 73 - SEP 88						
	LST TO UTC: + 9	MONTH: MAR HOURS: ALL						
PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS	
TSTM			100.0				1	
LIQUID PRECIP								
FREEZING PRECIP								
FROZEN PRECIP	5.6		41.7	22.2	19.4	11.1	36	
FOG	5.0		59.4	24.4	6.3	5.0	160	
FOG WITH VIS GE 1/2 MILES	2.9		61.9	22.3	7.2	5.8	139	
TOTAL OBS	95	0	703	338	154	52	0	1342

		MONTH: APR HOURS: ALL						
TSTM		100.0				1		
LIQUID PRECIP		100.0				1		
FREEZING PRECIP								
FROZEN PRECIP	4.8		37.3	28.9	16.9	12.0	83	
FOG	15.2		41.9	25.7	7.6	9.5	105	
FOG WITH VIS GE 1/2 MILES	12.9		44.1	25.8	7.5	9.7	93	
TOTAL OBS	97	0	663	391	156	59	0	1366

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER:	701210	STATION NAME:	POINT LAY AK	PERIOD OF RECORD: JAN 73 - SEP 88				
		LST TO UTC:	+ 9	MONTH:	MAY	HOURS: ALL		
PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS	
TSTM	100.0						1	
LIQUID PRECIP	14.3			57.1	28.6		7	
FREEZING PRECIP						100.0	1	
FROZEN PRECIP	14.5		36.8	15.8	14.5	18.4	76	
FOG	13.5		49.6	12.8	14.3	9.8	133	
FOG WITH VIS GE 1/2 MILES	12.5		52.3	12.5	13.6	9.1	88	
TOTAL OBS	102	0	721	337	136	90	0	1386

				MONTH: JUN HOURS: ALL				
TSTM								
LIQUID PRECIP	5.8		26.1	18.8	24.6	24.6	69	
FREEZING PRECIP			33.3			66.7	3	
FROZEN PRECIP	2.6		34.2	2.6	21.1	39.5	38	
FOG	9.6		33.6	12.3	15.8	28.8	146	
FOG WITH VIS GE 1/2 MILES	10.7		32.1	8.3	20.2	28.6	84	
TOTAL OBS	116	0	540	172	251	231	0	1310

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210	STATION NAME: POINT LAY AK	PERIOD OF RECORD: JAN 73 - SEP 88						
	LST TO UTC: + 9	MONTH: JUL HOURS: ALL						
PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS	
TSTM			100.0				1	
LIQUID PRECIP	9.5		19.0	24.8	29.9	16.8	137	
FREEZING PRECIP								
FROZEN PRECIP			20.0			80.0	5	
FOG	12.2		22.3	11.5	20.9	33.1	139	
FOG WITH VIS GE 1/2 MILES	8.5		23.4	10.6	24.5	33.0	94	
TOTAL OBS	126	0	402	246	296	227	0	1297

		MONTH: AUG HOURS: ALL						
TSTM								
LIQUID PRECIP	5.7		15.6	18.8	35.4	24.5	192	
FREEZING PRECIP								
FROZEN PRECIP	5.9		23.5	17.6		52.9	17	
FOG	15.7		30.7	16.5	15.7	21.3	127	
FOG WITH VIS GE 1/2 MILES	12.9		32.3	18.3	17.2	15.4	93	
TOTAL OBS	137	0	382	237	316	248	0	1320

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210	STATION NAME: POINT LAY AK	PERIOD OF RECORD: JAN 73 - SEP 88						
	LST TO UTC: + 9	MONTH: SEP HOURS: ALL						
PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS	
TSTM'S								
LIQUID PRECIP	12.4		19.4	25.6	22.5	20.2	129	
FREEZING PRECIP				100.0			1	
FROZEN PRECIP	6.6		46.3	17.4	9.9	19.8	121	
FOG	20.0		35.5	11.8	19.1	13.6	110	
FOG WITH VIS GE 1/2 MILES	15.6		42.9	11.7	18.2	11.7	77	
TOTAL OBS	153	0	506	324	222	159	0	1364

MONTH: OCT HOURS: ALL

TSTM'S				100.0		1		
LIQUID PRECIP			16.7	83.3		6		
FREEZING PRECIP								
FROZEN PRECIP	17.1		41.2	21.2	8.2	12.4	170	
FOG	14.7		38.2	35.3		11.8	34	
FOG WITH VIS GE 1/2 MILES	17.2		41.4	31.0		10.3	29	
TOTAL OBS	138	0	543	380	108	82	0	1251

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTM'S							
LIQUID PRECIP				33.3	66.7		3
FREEZING PRECIP							
FROZEN PRECIP	8.5		28.3	34.0	16.0	13.2	106
FOG	13.1		39.3	32.8	8.2	6.6	61
FOG WITH VIS GE 1/2 MILES	10.4		35.4	35.4	10.4	8.3	48
TOTAL OBS	86	0	582	432	136	104	0
							1340

MONTH: DEC HOURS: ALL

TSTM'S							
LIQUID PRECIP							
FREEZING PRECIP							
FROZEN PRECIP	7.5		35.0	33.8	18.8	5.0	80
FOG	4.3		56.5	20.7	16.3	2.2	92
FOG WITH VIS GE 1/2 MILES	5.2		55.8	19.5	16.9	2.6	77
TOTAL OBS	82	0	560	398	191	125	0
							1356

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210	STATION NAME: POINT LAY AK	PERIOD OF RECORD: JAN 73 - SEP 88					
	LST TO UTC: + 9	MONTHS: ALL					
PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS	20.0		60.0		20.0		5
LIQUID PRECIP	8.2		18.3	22.9	30.0	20.7	547
FREEZING PRECIP			20.0	20.0		60.0	5
FROZEN PRECIP	10.5		36.3	21.8	14.2	17.3	904
FOG	11.7		42.9	18.5	13.0	14.0	1304
FOG WITH VIS GE 1/2 MILES	10.1		45.3	17.7	13.8	13.0	975
TOTAL OBS	1389	0	6614	3832	2375	1620	0
							15830

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTTT	BBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE	NAVY AND NATIONAL WEATHER SERVICE
THROUGH 1945: 0800 LST	THROUGH JUN 1952: 0030 GMT
JAN 1946 TO MAY 1957: 1230 LST	JUN 1952 TO MAY 1957: 1230 GMT
JUN 1957 TO PRESENT: 1200 GMT	JUN 1957 TO PRESENT: 1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS

- 1 MILLIMETER = .03937 INCHES

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTT	CCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRR	TT	CC
PPPPPPPP	AAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANs, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANs FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)		WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N)	350-010	.5	1.5	.2		.2				.2			2.7	11.3	6.0	
	020-040	1.2	5.0	5.7	4.2	3.5	2.5	1.0					23.1	14.9	14.0	
	050-070	2.5	3.7	5.2	2.5	5.0	5.0	4.2	1.0	.2			29.3	18.8	20.0	
(E)	080-100	1.0	3.0	1.5	.7								6.2	8.3	8.0	
	110-130	1.5	1.5	.2	.2								3.5	5.4	5.0	
	140-160	1.5	1.5	.2					.2				3.5	7.0	5.0	
(S)	170-190	.7	2.0	1.0	.5	.7	.2	.2					5.5	11.6	9.0	
	200-220	.5	1.5	2.0	.5	.5	.5						5.5	12.0	10.0	
	230-250	.2	1.0	.7	.7	.5	.2						3.5	12.5	12.0	
(W)	260-280		.5	.5	.7	.2	.2						2.2	15.1	15.0	
	290-310	.7	1.7	.5		.2							3.2	7.6	6.0	
	320-340		1.0	.5									1.5	8.3	7.0	
VARIABLE																
CALM													10.4			
TOTALS		10.3	23.9	18.2	10.0	10.8	8.6	5.4	1.2	.4			100.0	12.6	12.0	

TOTAL NUMBER OF OBSERVATIONS 403

$$S = 4 = 1$$

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)		WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N)	350-010	1.3	1.3	1.0									3.6	6.7	5.5	
	020-040	1.3	3.6	5.9	5.1	3.6	1.8	.5	.3				22.1	14.8	15.0	
	050-070	2.1	4.9	4.4	3.6	5.4	3.8	4.1	1.3	.3			29.7	18.3	19.0	
(E)	080-100	1.3	2.3	.3	.3	.5							4.6	8.5	6.5	
	110-130	.8	1.8	.8	.3								3.6	8.1	6.5	
	140-160	1.0	1.5	.5	.8	.5		.3					4.6	10.9	8.0	
(S)	170-190	1.8	.5	.5	.3	.5	.3	.3	.3				4.4	12.4	9.0	
	200-220	.3	2.6	2.3	.8	.5	.3	.3	.3				7.2	12.7	11.0	
	230-250	1.0	1.3	1.0	.5	.3	.3	.3					4.6	11.1	9.5	
(W)	260-280	1.3	.5	1.0		.3							3.1	8.1	7.0	
	290-310	.3	1.0		.3								1.5	9.0	8.5	
	320-340	.5	.5	.5									1.5	6.8	6.5	
VARIABLE																
CALM													9.5			
TOTALS		13.0	21.8	18.2	12.0	11.6	6.5	5.8	2.2	.3			100.0	12.6	12.0	
TOTAL NUMBER OF OBSERVATIONS												390				

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.3	1.3		.3							3.7	8.2	8.0
020-040	.8	4.0	6.4	6.1	4.3	1.6	.5	.3				23.9	15.3	15.5
050-070	.3	3.2	4.0	5.1	3.5	3.7	4.5	.3	.5			25.0	19.6	19.5
(E) 080-100	1.9	1.9	1.6	.5	.3	.3						6.4	8.9	7.5
110-130	1.3	1.1	.3									2.7	5.1	4.5
140-160	1.1	1.6	.5	.3								3.5	6.8	6.0
(S) 170-190	.5	.5	.5	.3	.5	.5	.5					3.5	16.2	19.0
200-220	.8	1.3	1.6	1.6	1.6	.5						7.4	14.0	14.5
230-250		2.4	2.7	.3	.5		.3					6.1	11.5	10.0
(W) 260-280	.3	.8	.3		.3							1.6	8.7	5.0
290-310	.3	.8	.5	.8								2.4	10.4	10.0
320-340	.5	.8	.3	.3								1.9	7.3	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	12.0	/	/
TOTALS	8.6	19.7	20.0	15.3	11.3	6.6	5.8	.6	.5			100.0	12.7	13.0

TOTAL NUMBER OF OBSERVATIONS 376

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.7	.5	.2								3.0	7.4	6.0
020-040	1.2	5.2	5.5	5.0	2.7	2.7	.5					22.9	14.5	14.0
050-070	1.0	4.7	3.2	6.2	4.0	4.2	2.7	.5	.5			27.2	18.2	18.0
(E) 080-100	1.5	2.5	1.5	.7	.2							6.5	8.3	6.5
110-130	1.2	1.2	.2	.2								3.0	5.9	5.0
140-160	.5	1.2	.7	.2	.7							3.5	11.1	9.5
(S) 170-190	1.2	1.2	.5	.2	.2	.2						3.7	8.9	6.0
200-220	1.2	1.2	1.0	.5	.7	.5						5.2	11.5	10.0
230-250		2.0	1.0	.5	.7	.5	.2	.2				5.2	15.1	12.0
(W) 260-280	1.0	.7	1.0		.5		.2					3.5	10.6	9.0
290-310	.5	.2	1.0		.2							2.0	10.3	10.0
320-340	1.0	1.0	.5	.5								3.0	7.8	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	11.2	/	/
TOTALS	10.8	22.8	16.6	14.2	9.9	8.1	3.6	.7	.5			100.0	12.1	11.0

TOTAL NUMBER OF OBSERVATIONS 401

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.5	.8	.1	.1						.1	3.2	8.3	6.0
020-040	1.1	4.5	5.9	5.1	3.5	2.2	.6	.1				23.0	14.9	15.0
050-070	1.5	4.1	4.2	4.3	4.5	4.2	3.9	.8	.4			27.8	18.7	19.0
(E) 080-100	1.4	2.4	1.2	.6	.3	.1						5.9	8.5	7.0
110-130	1.2	1.4	.4	.2								3.2	6.2	5.0
140-160	1.0	1.5	.5	.3	.3			.1	.1			3.8	9.1	7.0
(S) 170-190	1.1	1.1	.6	.3	.5	.3	.3	.1				4.3	12.1	9.0
200-220	.7	1.7	1.7	.8	.8	.4	.1	.1				6.3	12.7	11.0
230-250	.3	1.7	1.3	.5	.5	.3	.2	.1				4.8	12.6	10.0
(W) 260-280	.6	.6	.7	.2	.3	.1	.1					2.6	10.6	10.0
290-310	.4	1.0	.5	.3	.1							2.3	9.1	8.5
320-340	.5	.8	.4	.2								2.0	7.6	6.0
VARIABLE														
CALM	//////////											10.8	//////////	
TOTALS	10.6	22.3	18.2	12.9	10.9	7.6	5.3	1.3	.5			100.0	12.5	12.0
TOTAL NUMBER OF OBSERVATIONS 1570														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.9	1.3		.3					.3		4.3	11.1	8.0
020-040	.8	4.0	4.0	6.7	5.4	2.7						23.6	15.7	17.5
050-070	.8	4.3	2.4	4.0	7.8	3.5	1.1	.3				24.1	17.7	20.0
(E) 080-100	1.1	1.9	1.1	1.6	.3	.3						6.2	10.7	10.0
110-130	.8	1.3		.3								2.4	5.8	5.0
140-160		2.4	.8	.3	.3				.3	.3		4.3	12.2	8.0
(S) 170-190	.5	.5	.3	.5	1.1	1.1	.5					4.6	17.9	20.0
200-220	.5	1.6	1.1	1.1	1.3	.8	.3	.3				7.0	15.6	15.5
230-250		.5	1.9	.3	.8	.5	.5					4.6	16.5	14.0
(W) 260-280	.5	1.3	1.1		.8							3.8	10.9	9.0
290-310	.3	1.3	.3	.3	.3							2.4	9.7	8.0
320-340	.3	1.3	1.1	.3								2.9	8.5	8.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	9.9	/	/
TOTALS	6.1	22.3	15.4	15.4	18.4	8.9	2.7	.9	.3			100.0	13.3	15.0

TOTAL NUMBER OF OBSERVATIONS 373

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.6	2.1	2.1	.9								5.6	9.6	10.0	
020-040	2.1	4.7	3.6	5.3	3.0	.6	.6					.9	12.9	12.0	
050-070	2.4	5.9	5.3	1.5	2.7	1.8	2.1	.3				22.0	14.2	12.0	
(E) 080-100	1.2	2.4	1.5	.3			.3	.9	.6			7.1	14.4	9.5	
110-130	.6	2.1										2.7	5.7	6.0	
140-160	.9	.6	.6									2.1	5.9	6.0	
(S) 170-190	.9	2.1	1.5	.6	.6	.3	.3					6.2	11.4	10.0	
200-220	.6	1.2	1.8	.6	1.5	.3	.3					6.2	14.0	14.0	
230-250		2.7	2.1	.6	.3							5.6	10.1	10.0	
(W) 260-280	.6	2.4	1.5	.9			.3					5.6	10.0	8.0	
290-310		.6	1.2									1.8	9.8	10.0	
320-340	.3	.9	.3									1.5	6.8	8.0	
<hr/>															
VARIABLE															
CALM												13.6			
TOTALS	10.2	27.7	21.5	10.7	8.1	3.6	4.2	.3	.6			100.0	10.5	10.0	

TOTAL NUMBER OF OBSERVATIONS 337

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	2.5	.6		.3							3.8	8.2	7.0
020-040	1.3	6.0	6.6	3.8	5.3	1.6	.9					25.4	14.3	13.0
050-070	1.3	5.6	4.7	3.8	.9	1.9	.9					19.7	13.7	10.0
(E) 080-100	.9	1.3	1.3	.9	.3	.3	.6	.3	.3			6.3	15.3	11.0
110-130	.3	1.6	.3									2.2	6.3	5.0
140-160	1.3	2.5	.6				.3					4.7	8.1	6.0
(S) 170-190	1.3	3.8	.9	.9	.6							7.5	8.6	6.0
200-220		2.5	2.2	.9	.3		.3					6.3	12.2	10.0
230-250	.6	2.5	1.9	.3	.3	.3						6.0	10.1	9.0
(W) 260-280	.6	1.3	.9	1.3	.6							4.7	11.8	12.0
290-310	1.3	.3	.9	.6								3.1	9.1	8.0
320-340	.3	.3	.3									.9	7.3	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	9.4	/	/
TOTALS	9.5	30.2	21.2	12.5	8.6	4.1	3.0	.3	.9			100.0	11.1	10.0

TOTAL NUMBER OF OBSERVATIONS 319

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.9	1.2	1.5	.9	.3							4.9	10.4	10.0	
020-040	2.4	5.2	3.4	4.6	5.8	1.2	.6				.3	23.5	14.6	15.0	
050-070	1.8	3.7	3.1	5.2	1.5	2.4	1.2	.9				19.9	15.8	15.0	
(E) 080-100	1.8	1.8	.6		1.2	.3	.6	.3				6.7	12.8	7.0	
110-130	3.1	1.5	.3									4.9	4.9	4.0	
140-160	.9	.9	.6					.3				2.8	9.1	7.0	
(S) 170-190	1.5	1.5	.3	1.2	.9	.3	.3					6.1	11.8	8.5	
200-220	1.2	1.2	2.4	.9	1.2	.3						7.3	11.9	10.5	
230-250		2.1	3.1	.3	.6	.3						6.4	11.5	10.0	
(W) 260-280		1.5	1.8									3.4	8.5	10.0	
290-310	.3	1.2	.9	.3								2.8	8.4	9.0	
320-340	.3	.6	.6									1.5	8.0	8.0	
<hr/>															
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	9.8	/	/	
TOTALS	14.2	22.4	18.6	13.4	11.5	4.8	3.0	1.2	.3			100.0	11.4	10.0	

TOTAL NUMBER OF OBSERVATIONS 327

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.6	2.3	2.9	1.2								7.0	9.7	10.0	
020-040	1.4	4.1	4.6	2.3	5.5	1.2	.6	.3				20.0	15.0	14.0	
050-070	.9	4.6	2.3	2.0	4.1	1.7	1.4	1.2				18.3	17.1	18.0	
(E) 080-100	2.3	2.3	2.0	1.2	.3	1.2	.9		.9			11.0	14.5	10.0	
110-130	.6	2.0	.3									2.9	6.3	6.5	
140-160	.9	1.2	.3									2.3	5.5	5.0	
(S) 170-190	.9	3.2	1.4	.9		.3						6.7	9.3	7.0	
200-220	1.2	1.4	1.4	2.0	.3	.3						6.7	12.0	12.0	
230-250	.6	1.7	2.6	.6	.3		.3					6.1	11.3	10.0	
(W) 260-280	.6	2.0	1.7	.3	.3	.3						5.2	10.6	9.0	
290-310	.3	.6	.3		.3							1.4	9.2	6.0	
320-340	.3	1.4	.3									2.0	6.6	6.0	
VARIABLE															
CALM												10.4			
TOTALS	10.6	26.8	20.1	10.5	11.1	5.0	3.2	1.5	.9			100.0	11.6	10.0	
	TOTAL NUMBER OF OBSERVATIONS 345														

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
												%	WIND	WIND	
(N) 350-010	.6	2.0	1.8	.8	.2							5.3	9.6	10.0	
020-040	1.8	5.0	4.5	4.0	4.9	1.1	.7	.1	.1			22.1	14.2	14.0	
050-070	1.6	5.0	3.8	3.1	2.3	2.0	1.4	.6	.2			20.0	15.2	14.0	
(E) 080-100	1.6	2.0	1.4	.6	.5	.5	.8	.2	.5			7.8	14.3	10.0	
110-130	1.1	1.8	.2									3.2	5.6	5.0	
140-160	1.0	1.3	.5									2.9	7.4	6.0	
(S) 170-190	1.1	2.6	1.1	.9	.5	.2	.2					6.6	10.2	7.0	
200-220	.8	1.6	2.0	1.1	.8	.2	.2					6.6	12.5	11.5	
230-250	.3	2.3	2.4	.5	.4	.2	.1					6.0	10.8	10.0	
(W) 260-280	.5	1.8	1.5	.6	.2	.2						4.7	10.3	10.0	
290-310	.5	.7	.8	.2	.1							2.3	9.1	9.5	
320-340	.3	.8	.4									1.5	7.1	6.5	
VARIABLE															
CALM												10.8			
TOTALS	11.2	26.9	20.4	11.8	9.9	4.4	3.6	.9	.8			100.0	11.2	10.0	

TOTAL NUMBER OF OBSERVATIONS 1328

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.8	1.9	4.5	1.1	.4							8.7	10.9	11.0	
020-040	1.1	1.9	3.0	6.0	9.4	1.1	1.1					23.8	17.4	18.0	
050-070	.4	2.6	2.3	4.5	4.2	1.1	.4					15.5	15.7	17.0	
(E) 080-100	.4	.8	.8	1.9	.8	1.1	.8		.4			6.8	18.9	18.0	
110-130	.4	.8	.4									1.5	6.5	5.0	
140-160	.8	.4	.4									1.5	5.8	4.5	
(S) 170-190	1.1	1.9	1.5	1.1	1.1							6.8	11.0	10.0	
200-220		1.5	1.1	1.5	3.0	.4						7.5	16.1	18.5	
230-250		1.5	1.1	.4	1.1							4.2	12.6	12.0	
(W) 260-280		2.3	1.9	.8	.8	.4						6.0	12.1	11.0	
290-310		.8	.4	.8								1.9	7.4	6.0	
320-340		.4	1.5	1.1								3.0	7.8	7.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	12.8	/	/	
TOTALS	6.2	17.5	18.9	17.3	20.8	4.1	2.3		.4			100.0	12.6	15.0	
	TOTAL NUMBER OF OBSERVATIONS 265														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	3.6	1.4		.2	.2						5.7	8.9	7.0
020-040	2.6	8.6	9.3	6.2	4.1	3.1	.7			.2		34.8	13.8	12.0
050-070	1.9	6.4	6.2	2.4	2.9	1.4	1.9	.5				23.6	13.9	11.0
(E) 080-100	1.7	3.1	1.7	1.4	.7	1.2	.2					10.0	12.0	10.0
110-130	1.2	1.7	.5									3.3	5.7	5.5
140-160	1.0	1.4										2.4	5.3	5.0
(S) 170-190	1.4	3.3	.2	.2								5.3	5.8	5.0
200-220	.7	.7	1.0	.2				.2				2.9	10.8	9.5
230-250		1.4	.7	.5								2.6	9.5	8.0
(W) 260-280	.2	.7	.5	.2								1.7	8.0	6.0
290-310	.5	1.0	.2									1.7	5.7	6.0
320-340	.7	.2	.2									1.2	6.6	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	4.8	/	/
TOTALS	12.1	32.1	21.9	11.1	7.9	5.9	2.8	.7	.2			100.0	11.3	10.0

TOTAL NUMBER OF OBSERVATIONS 419

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	2.6	2.0				.3					6.1	8.1	7.0
020-040	1.3	9.0	7.7	5.9	5.6	3.3	1.0	.3				34.0	14.5	14.0
050-070	3.1	3.3	5.4	3.1	3.6	2.6	2.0					23.0	14.9	14.0
(E) 080-100		2.8	1.5	1.5	2.0	1.3	.3					9.5	14.9	15.0
110-130	.5	1.8	.3			.3						2.8	7.6	6.0
140-160	2.8	1.3	.5									4.6	4.8	4.0
(S) 170-190	1.3	2.6		.3								4.1	6.4	5.5
200-220		2.0	.5	.3	.3							3.1	9.1	6.5
230-250		.8	.8			.3						1.8	11.3	10.0
(W) 260-280	.3	.5	.5	.3								1.5	8.8	8.0
290-310	.3	.3	.5									1.0	7.5	8.0
320-340		.8										.8	5.7	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	7.7	/	/
TOTALS	10.9	27.8	19.7	11.4	11.5	8.1	3.3	.3				100.0	11.7	10.0

TOTAL NUMBER OF OBSERVATIONS 391

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)		WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N)	350-010	1.0	1.3	.5			.3						3.0	8.6	7.0	
	020-040	1.5	4.6	9.9	6.8	6.6	2.5	1.3					33.2	15.4	15.0	
	050-070	2.0	2.5	6.6	4.1	3.3	2.0	3.3		.3			24.1	16.5	15.0	
(E)	080-100	1.5	2.0	2.0	1.5	2.3	.3	.3					9.9	13.0	10.0	
	110-130	.8	.8		.5								2.0	8.5	6.5	
	140-160	2.8	.8										3.5	4.0	4.0	
(S)	170-190	1.8	1.5	.5	.5	.3							4.6	7.3	5.0	
	200-220	.8	1.3	1.3	1.0	.3							4.6	10.2	10.0	
	230-250	.3	.5	.3	.8			.3					2.0	13.4	13.0	
(W)	260-280			.8	.3								1.0	12.5	11.0	
	290-310		.5	.3	.3	.3							1.3	12.8	10.0	
	320-340	.3	.3	.3									.8	7.0	8.0	
VARIABLE																
CALM													10.1			
TOTALS		12.8	16.1	22.5	15.8	13.1	5.1	5.2		.3			100.0	12.3	12.0	
TOTAL NUMBER OF OBSERVATIONS													395			

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.5	1.9	.7	.2	.5							3.7	8.8	6.0	
020-040	1.4	7.5	8.4	7.5	3.5	3.7	1.4					33.4	14.7	14.0	
050-070	2.8	4.4	4.0	3.5	4.0	3.5	.7	.2	.2			23.4	15.2	15.0	
(E) 080-100	1.2	3.0	2.6	1.6	1.4	.5	.2					10.5	11.8	10.0	
110-130	1.4	.9	.2			.2						2.8	7.0	4.5	
140-160	.2	1.9										2.1	6.0	6.0	
(S) 170-190	.9	2.1	.5	.5								4.0	7.4	6.0	
200-220	.2	1.2	.2	.7	.2							2.6	10.7	9.0	
230-250	.2	1.9	2.3	.5	.2							5.1	10.5	11.0	
(W) 260-280	.5	.2	.5									1.2	6.6	5.0	
290-310	.5	.5	.2									1.2	6.2	6.0	
320-340	.5	.2	.5									1.2	6.6	5.0	
VARIABLE															
CALM												8.9			
TOTALS	10.3	25.7	20.1	14.5	9.8	7.9	2.3	.2	.2			100.0	11.7	11.0	
	TOTAL NUMBER OF OBSERVATIONS 428														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210		STATION NAME: POINT LAY AK		PERIOD OF RECORD: JAN 73 - SEP 88											
		LST TO UTC: + 9		MONTH: MAR HOURS: ALL											
		WIND SPEED IN KNOTS													
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(N)	350-010	.7	2.3	1.2	.1	.2	.2						4.7	8.6	7.0
	020-040	1.7	7.4	8.8	6.6	4.9	3.2	1.1	.1	.1			33.9	14.6	14.0
	050-070	2.4	4.2	5.5	3.2	3.4	2.4	2.0	.2	.1			23.5	15.2	14.0
(E)	080-100	1.1	2.8	2.0	1.5	1.6	.8	.2					10.0	12.9	10.0
	110-130	1.0	1.3	.2	.1		.1						2.8	7.0	6.0
	140-160	1.7	1.3	.1									3.1	4.9	4.0
(S)	170-190	1.3	2.4	.3	.4	.1							4.5	6.7	5.0
	200-220	.4	1.3	.7	.6	.2			.1				3.2	10.2	9.0
	230-250	.1	1.2	1.0	.4	.1	.1	.1					2.9	10.9	10.0
(W)	260-280	.2	.4	.6	.2								1.3	8.7	10.0
	290-310	.3	.6	.3	.1	.1							1.3	7.9	6.0
	320-340	.4	.4	.2									1.0	6.5	5.5
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	7.8	/	/
TOTALS		11.3	25.6	20.9	13.2	10.6	6.8	3.4	.4	.2			100.0	11.8	10.0
TOTAL NUMBER OF OBSERVATIONS 1633															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.7	3.0	.4	1.1							6.3	11.4	11.0
020-040	.4	3.7	10.8	10.8	8.9	2.6						37.2	15.7	16.0
050-070	1.5	3.0	8.9	5.2	4.5	1.9						24.9	14.2	14.0
(E) 080-100	1.1	2.2	.4	1.5	2.6	1.1						8.9	14.5	16.5
110-130	.7	1.1	.4	.7								3.0	9.6	8.0
140-160	.4	.4	.4									1.1	7.7	8.0
(S) 170-190	.4	.4	.7	.7								2.2	10.0	10.0
200-220		1.1	1.1	1.1	.7							4.1	13.1	12.0
230-250		1.5	.7	1.1								3.3	11.6	10.0
(W) 260-280			.7	.4								1.1	13.3	14.0
290-310	.4	.7	1.9									3.0	8.8	10.0
320-340	.4											.4	4.0	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	4.5	/	/
TOTALS	6.4	14.8	29.0	21.9	17.8	5.6						100.0	13.3	14.0

TOTAL NUMBER OF OBSERVATIONS 269

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	3.0	.9									5.1	6.5	6.0
020-040	1.4	9.3	6.8	3.7	3.3	2.3	.5	.2				27.5	13.2	10.0
050-070	2.8	6.3	2.8	3.5	4.2	1.9	1.4	.2	.2			23.3	14.3	12.0
(E) 080-100	1.9	2.6	2.1	2.1	2.3	.5	.2	.2	.5			12.4	14.4	12.0
110-130	.5	1.9		.5	.2	.2						3.3	9.4	6.0
140-160	.2	2.8										3.0	6.2	6.0
(S) 170-190	3.0	2.3	.9	.2		.2			.2			7.0	7.8	5.0
200-220	1.4	2.1	.5	.2	.5							4.7	7.8	6.0
230-250		1.2	.7		.2							2.1	10.7	9.0
(W) 260-280	.2	.5	.2									.9	6.8	6.5
290-310	.5	.7	.2									1.4	5.7	6.0
320-340	.2	.2										.5	4.0	4.0
VARIABLE														
CALM												8.9		
TOTALS	13.3	32.9	15.1	10.2	10.7	5.1	2.1	.6	.9			100.0	10.9	9.0
	TOTAL NUMBER OF OBSERVATIONS 429													

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	2.1	1.0									3.9	7.1	6.0
020-040	2.9	8.1	5.5	5.5	3.6	2.6	.8					28.8	13.4	12.0
050-070	2.9	4.9	5.2	3.4	4.9	1.3	2.1	.5		.3		25.5	15.2	14.0
(E) 080-100	1.8	3.1	3.1	1.3	2.1	.8	.5	.5	.5			13.8	14.4	10.0
110-130	1.3	1.3					.3					2.9	6.8	5.0
140-160	.5	1.6										2.1	5.0	5.0
(S) 170-190	1.0	2.1	.5	.3								3.9	6.9	5.0
200-220	.5	2.6	.8	.3	.3			.3				4.7	9.8	6.5
230-250	.5	.5	.8	.3	.3							2.3	10.4	10.0
(W) 260-280			.8									.8	10.7	10.0
290-310	.3	.3										.5	4.0	4.0
320-340	.8	.3	.3									1.3	4.8	4.0
<hr/>														
VARIABLE														
CALM	//////////											9.6	//////////	
TOTALS	13.3	26.9	18.0	11.1	11.2	4.7	3.7	1.3	.5	.3		100.0	11.4	10.0

TOTAL NUMBER OF OBSERVATIONS 385

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	1.2	2.0	.7	.2								.2	4.4	9.4	6.0
020-040	1.0	4.4	6.2	5.4	4.7	2.0	2.0					.2	25.9	16.0	15.0
050-070	1.7	3.5	6.9	3.0	4.9	2.5	1.7	.7	.2			.2	25.2	16.3	15.5
(E) 080-100	1.2	1.7	2.0	1.5	3.5	.7	1.5	.7	.2			.2	13.1	17.9	20.0
110 130	.7	1.2		.2	.5								2.7	8.8	5.0
140-160	1.2	1.0	.5	.2									3.0	6.0	5.0
(S) 170-190	.7	1.5	1.0										3.2	7.0	6.0
200-220	.5	1.2	1.0	1.7	1.0	.2							5.7	13.6	16.0
230-250		2.0	1.2	.7	.2								4.2	11.0	10.0
(W) 260-280	.2	1.2	.5										2.0	7.0	6.0
290-310	.5	.5											1.0	4.0	4.0
320-340	.2	.5		.2									1.0	8.8	6.5
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	/	8.6	/	/
TOTALS	9.1	20.7	20.0	13.1	14.8	5.4	5.2	1.4	.6	.2			100.0	13.2	12.0

TOTAL NUMBER OF OBSERVATIONS 405

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.2	1.0		.2							3.1	8.6	8.0
020-040	1.2	7.2	6.7	5.3	5.0	1.7	1.4	.5				29.0	14.8	13.0
050-070	1.4	6.0	3.8	4.6	3.6	2.2	1.9			.2		23.7	15.6	15.0
(E) 080-100	2.2	2.9	2.4	1.9	1.4	.7	1.2	.5	.7			13.9	15.4	14.0
110-130	1.2		.2	.5	.2		.2					2.4	11.1	8.0
140-160	1.0	.7	.2									1.9	5.6	4.5
(S) 170-190	1.7	.7	.7	.2	.2	.2						3.8	8.6	5.5
200-220	1.0	2.4	.5	1.0	.2		.2					5.3	9.6	6.5
230-250	1.0	1.9	.5		.5							3.8	8.4	6.0
(W) 260-280	1.4	.7	.7	.2								3.1	6.8	5.0
290-310	.5	1.0	.5									1.9	6.0	6.0
320-340	.5	.2	.2									1.0	5.3	5.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	7.0	/	/
TOTALS	13.8	24.9	17.4	13.7	11.3	4.8	4.9	1.0	.7	.2		100.0	12.3	10.0

TOTAL NUMBER OF OBSERVATIONS 417

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: ALL

DIRECTION		WIND SPEED IN KNOTS													TOTAL	MEAN	MEDIAN
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND		
(DEGREES)																	
(N)	350-010	1.0	2.1	.9	.1	.1							.1	4.2	7.8	6.0	
	020-040	1.6	7.3	6.3	5.0	4.2	2.1	1.2	.2	.1				27.8	14.3	12.0	
	050-070	2.2	5.2	4.6	3.6	4.4	2.0	1.8	.4	.1	.1			24.4	15.3	15.0	
(E)	080-100	1.8	2.6	2.4	1.7	2.3	.7	.9	.5	.5				13.3	15.5	14.0	
	110-130	.9	1.1	.1	.3	.2	.1	.1						2.8	9.0	5.0	
	140-160	.7	1.5	.2	.1									2.5	5.8	5.0	
(S)	170-190	1.7	1.7	.8	.2	.1	.1						.1	4.5	7.7	5.5	
	200-220	.9	2.1	.7	.8	.5	.1	.1	.1					5.1	10.3	7.0	
	230-250	.4	1.4	.8	.2	.3								3.1	10.0	8.0	
(W)	260-280	.5	.6	.6	.1									1.7	7.3	6.0	
	290-310	.4	.6	.2										1.2	5.3	6.0	
	320-340	.4	.3	.1	.1									.9	6.1	5.0	
VARIABLE																	
CALM															8.5		
TOTALS		12.5	26.5	17.7	12.2	12.1	5.1	4.1	1.2	.8	.2			100.0	11.9	10.0	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.8	.4								.4	2.9	17.0	12.0
020-040	1.4	3.6	4.7	9.8	7.6	1.8	.4					29.3	16.2	18.0
050-070	1.4	2.2	2.9	4.7	8.0	1.8						21.0	16.4	18.0
(E) 080-100	2.2	1.8	2.5	2.5	3.6	.4	.7	.4				14.1	14.8	16.0
110-130	.4	.4			.4		.4					1.4	15.8	14.0
140-160	.4	2.9			.4							3.6	6.5	5.0
(S) 170-190	.4	.7	1.1	.4		.4						2.9	11.5	10.0
200-220	1.4	1.8	1.1	.7	1.8	.4						7.2	12.2	10.0
230-250	.4	1.1	1.1	.7								3.3	10.0	10.0
(W) 260-280	.4	1.1	1.8									3.3	8.6	10.0
290-310		1.8	.4									2.2	6.5	6.0
320-340	.4	.4	.4	.4								1.4	9.0	8.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	7.2	/	/
TOTALS	8.8	18.2	17.8	20.0	21.4	4.8	1.5	.4		.4		100.0	13.3	15.0
	TOTAL NUMBER OF OBSERVATIONS 276													

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	1.2	1.6	1.8	.2								4.8	7.8	7.0	
020-040	2.5	5.3	10.2	7.4	4.2	1.8	.2					31.6	13.4	14.0	
050-070	.7	4.4	7.9	4.4	5.3	2.5	.5	.2				25.9	15.1	14.5	
(E) 080-100	.9	3.9	2.5	3.2	1.8	1.2						13.6	13.0	10.0	
110-130	1.2	1.2		.2	.2							2.8	7.0	5.5	
140-160	1.2	.5	.5									2.1	5.4	4.0	
(S) 170-190	1.4	1.6	.2		.2							3.5	6.4	6.0	
200-220	.2	1.8	.7	.2	.5							3.5	9.8	8.0	
230-250		.9	.7	.2								1.8	8.9	9.0	
(W) 260-280	.2	.2	.2									.7	7.0	8.0	
290-310	.7	.2	.2									1.2	4.8	3.0	
320-340	.2	.2		.2								.2	.9	25.8	14.5
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	7.6	/	/	/
TOTALS	10.4	21.8	24.9	15.8	12.4	5.5	.7	.2				.2	100.0	11.7	11.0

TOTAL NUMBER OF OBSERVATIONS 433

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 80
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	2.0	.5	.5								3.2	8.9	8.0
020-040	2.0	2.5	7.8	5.6	7.6	3.2	.5					29.2	15.9	16.0
050-070	1.2	3.4	7.1	6.6	4.9	2.2	2.0					27.5	15.8	15.0
(E) 080-100	1.7	2.2	3.7	1.7	2.9	.5	.2					13.0	12.9	12.0
110-130	1.0	1.2		.2	.2							2.7	7.0	5.0
140-160	.5	.5										1.0	5.3	4.5
(S) 170-190	2.7	2.7	.2	.5	.2							6.4	6.1	5.0
200-220	1.0	1.5	1.2	.2	.2							4.2	8.7	8.0
230-250	.7	1.0	1.5	.2								3.4	8.4	9.0
(W) 260-280		.5										.5	6.5	6.5
290-310	.2	.5										.7	4.7	5.0
320-340	.7											.7	3.7	4.0
<hr/>														
VARIABLE														
CALM	//////////											7.6	//////////	
TOTALS	11.9	18.0	22.0	15.5	16.0	5.9	2.7					100.0	12.3	12.0

TOTAL NUMBER OF OBSERVATIONS 408

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	3.0	1.6	.5								5.8	8.2	7.0
020-040	1.4	3.7	6.1	6.8	7.0	2.6	.7	.2	.2			28.7	16.1	16.0
050-070	.9	3.7	6.1	6.3	5.4	3.3	1.9					27.5	16.6	17.5
(E) 080-100	.2	2.1	2.6	2.3	2.3	2.1	.7					12.4	16.6	18.0
110-130	.7	.5										1.2	5.0	4.0
140-160	.7	.9	.5									2.1	6.2	6.0
(S) 170-190	1.4	1.4	.7	.2		.2						4.0	7.8	7.0
200-220	1.2	.7	1.4	.2		.2						3.7	9.4	9.0
230-250	.7		.2	.2								1.2	7.0	4.0
(W) 260-280	1.2	.9	..	.5	.2							3.0	8.5	6.0
290-310	.7	1.2	.2									2.1	6.2	7.0
320-340	.5	1.6	.2									2.3	6.8	7.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	6.1	/	/
TOTALS	10.3	19.7	19.8	17.0	14.9	8.4	3.3	.2	.2			100.0	13.2	13.0

TOTAL NUMBER OF OBSERVATIONS 429

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.6	2.2	1.4	.5								4.8	8.5	8.0	
020-040	1.6	3.8	7.6	6.1	6.2	2.9	.5	.1	.1			28.9	15.4	15.0	
050-070	.9	3.7	6.7	6.0	5.4	3.1	1.7	.1				27.6	16.4	16.0	
(E) 080-100	.9	2.7	2.5	2.5	2.7	1.1	.5					12.9	14.7	15.0	
110-130	.8	.9	.2	.1	.1	.1						2.1	7.6	6.0	
140-160	1.1	.7	.2									2.0	4.8	4.0	
(S) 170-190	1.4	1.7	.4	.2	.2	.1						3.9	7.1	5.5	
200-220	.6	1.1	1.1	.4	.3	.1						3.5	10.0	10.0	
230-250	.7	1.0	.9	.4								2.9	8.3	8.0	
(W) 260-280	.7	.7	.2	.1	.1							1.7	7.0	5.0	
290-310	.5	.8	.2									1.4	5.9	5.5	
320-340	.4	1.0	.1		.1							.1	1.7	9.0	6.0
<hr/>															
VARIABLE															
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.7	//////////	//////////	
TOTALS	10.2	20.3	21.5	16.3	15.1	7.4	2.7	.2	.1			.1	100.0	12.8	12.0

TOTAL NUMBER OF OBSERVATIONS 1690

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

TOTAL NUMBER OF OBSERVATIONS 533

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	4.1	.9	.2	.2							7.9	6.6	6.0
020-040	1.8	5.2	5.7	4.5	.7	.2	.2					18.4	11.1	10.0
050-070	2.7	5.4	8.4	2.0	1.8	.5	.2	.2				21.3	11.0	10.0
(E) 080-100	1.6	2.7	.9	1.4	.5	.2						7.3	9.9	8.0
110-130	.7	.2	.5		.2							1.6	8.7	6.0
140-160	.7	1.8	.2	.2								2.9	6.6	6.0
(S) 170-190	.9	2.7	1.6	.7	.7							6.6	9.3	7.0
200-220	1.1	3.6	.7	.5	.5							6.3	8.2	7.5
230-250	2.3	2.0	1.1	.5	.7							6.6	8.2	6.0
(W) 260-280		1.8	1.6	.2	.2		.2					4.1	11.7	10.0
290-310	.9	1.1	.2									2.3	5.1	5.0
320-340	.9	.7		.2								1.8	6.9	6.0
<hr/>														
VARIABLE												12.9	<hr/>	
CALM	//////////												<hr/>	
TOTALS	16.1	31.3	21.8	10.4	5.5	.9	.4	.4				100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 441

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	2.5	4.7	1.7	.2								9.1	6.6	6.0	
020-040	1.2	3.9	5.1	2.0	.5	.2						13.0	10.4	10.0	
050-070	2.7	6.1	5.1	3.4	3.4	.5	.2	.5				22.1	12.4	10.0	
(E) 080-100	1.0	2.5	3.4	.7	2.2	.2						10.0	12.3	12.0	
110-130	.5	1.0	.2									1.7	6.0	5.0	
140-160	1.2	1.0	.7	.2								3.2	6.7	5.0	
(S) 170-190	1.5	3.4	.7	1.2	.5	.2						7.6	9.7	7.0	
200-220	1.7	3.7	1.5	.7	.2							7.8	8.1	8.0	
230-250	1.5	2.7	1.7	.2	.5		.5					7.1	9.6	8.0	
(W) 260-280	2.2	1.2	2.0	.5			.2					6.1	8.2	8.0	
290-310	.5	.7	.2									.2	17.4	6.0	
320-340		1.2	.5									1.7	7.7	8.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	8.8	/	/	
TOTALS	16.5	32.1	22.8	9.1	7.3	1.1	.9	.5				.2	100.0	9.2	8.0

TOTAL NUMBER OF OBSERVATIONS 408

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)		WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N)	350-010	.5	4.5	4.2	1.5	.7							11.4	10.4	10.0
	020-040		1.2	2.5	3.5	2.0	.5					.2	9.9	16.4	16.0
	050-070	1.0	2.7	2.7	2.0	4.5	.5						13.4	14.2	15.0
(E)	080-100	.5	1.2	1.7	.5	2.7	.2						6.9	14.1	14.5
	110-130	1.0		.5	.5								2.0	8.4	6.5
	140-160	.2	.2	.5									1.0	7.0	7.5
(S)	170-190	1.5	.7	.7	1.0	.2	.2						4.5	9.7	7.5
	200-220	1.2	3.7	1.5	.5	.5							7.4	8.7	7.5
	230-250	2.2	3.2	2.5	1.5	.7							10.2	9.4	9.0
(W)	260-280	1.7	4.0	1.2		.2							7.2	6.8	6.0
	290-310	2.0	4.2	.5									6.7	6.0	6.0
	320-340	2.2	8.4	4.5	.2								15.4	8.0	8.0
VARIABLE															
CALM													4.0		
TOTALS		14.0	34.0	23.0	11.2	11.5	1.4					.2	100.0	10.1	9.0

TOTAL NUMBER OF OBSERVATIONS 403

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	2.1	5.8	7.2	1.6	.9							17.6	9.6	10.0	
020-040	1.2	2.3	7.2	3.9	3.2	.5	.2					.2	18.8	14.3	14.0
050-070	1.2	.5	3.7	2.8	3.5		.2					11.8	14.5	15.0	
(E) 080-100	.2	.9	1.9	1.2	.2							4.4	12.3	12.0	
110-130			.5	.5	.2							1.2	15.8	15.0	
140-160	.7	.9	.2									1.9	4.9	5.0	
(S) 170-190	1.2	.7	.9	.2	.2	.2						3.5	9.6	6.0	
200-220	1.6	2.8	1.6	.7	.2		.2					7.2	8.6	6.0	
230-250	1.6	2.1	1.9	.2	.5	.2						6.5	9.0	7.5	
(W) 260-280	1.4	4.4	2.1	.7	.2							8.8	8.2	8.0	
290-310	.7	2.6	.2	.5								3.9	7.5	6.0	
320-340	1.6	3.7	.7	.7								6.7	7.0	6.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	7.7	/	/	/
TOTALS	13.5	26.7	28.1	13.0	9.1	.9	.6					.2	100.0	9.9	10.0

TOTAL NUMBER OF OBSERVATIONS 431

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210		STATION NAME: POINT LAY AK		PERIOD OF RECORD: JAN 73 - SEP 88													
		LST TO UTC: + 9		MONTH: JUN HOURS: ALL													
WIND SPEED IN KNOTS																	
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN		
													%	WIND	WIND		
(N)	350-010	1.9	4.8	3.5	.9	.5							11.5	8.7	8.0		
	020-040	1.1	3.2	5.2	3.5	1.6	.4	.1					.1	15.2	12.8	12.0	
	050-070	1.9	3.7	5.1	2.6	3.3	.4	.2	.2				17.2	12.7	12.0		
(E)	080-100	.8	1.8	2.0	1.0	1.4	.2						7.1	12.1	12.0		
	110-130	.5	.3	.4	.2	.1							1.6	9.2	6.0		
	140-160	.7	1.0	.4	.1								2.3	6.3	5.5		
(S)	170-190	1.2	1.9	1.0	.8	.4	.2						5.5	9.6	7.0		
	200-220	1.4	3.4	1.3	.6	.4		.1					7.2	8.4	7.0		
	230-250	1.9	2.5	1.8	.6	.6	.1	.1					7.5	9.1	8.0		
(W)	260-280	1.3	2.9	1.7	.4	.2			.1	.1			6.5	8.4	8.0		
	290-310	1.0	2.1	.3	.1								.1	3.6	7.6	6.0	
	320-340	1.2	3.4	1.4	.3								6.3	7.6	7.5		
VARIABLE																	
	CALM	//////////											8.4	//////////			
	TOTALS	14.9	31.0	24.1	11.1	8.5	1.3	.6	.3				.1	.2	100.0	9.4	9.0

TOTAL NUMBER OF OBSERVATIONS 1683

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	5.0	3.3	.8	.4							10.9	8.7	8.0
020-040	.4	2.5	4.0	4.6	2.1	.2	.2					14.0	13.7	15.0
050-070	1.5	3.3	3.4	3.3	3.3	.4	.4	.4				15.9	14.1	14.0
(E) 080-100	.2	1.1	.6	.4	.8							3.1	11.8	12.0
110-130	.4		.6									1.0	8.2	10.0
140-160	.6	.8	.4	.2								1.9	6.9	6.0
(S) 170-190	.8	1.9	1.3	1.1	.4	.4						5.9	11.2	10.0
200-220	1.5	4.8	2.7	1.1	1.0		.2					11.3	9.8	8.0
230-250	1.9	3.1	2.7	1.3	1.5	.2	.4					11.1	11.5	10.0
(W) 260-280	1.5	4.0	2.3	.8	.4		.2	.2				9.4	9.6	8.0
290-310	.8	2.9	.4	.4								4.4	7.0	6.0
320-340	1.1	3.8	1.3	.4								6.7	7.7	8.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	4.4	/	/
TOTALS	12.2	33.2	23.0	14.4	9.9	1.2	1.4	.6				100.0	10.5	10.0

TOTAL NUMBER OF OBSERVATIONS 522

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	5.9	1.9	.5								8.7	7.5	7.0
020-040	2.6	7.3	5.9	.7								16.4	8.1	8.0
050-070	2.1	5.2	5.6	2.8	1.2							16.9	10.3	10.0
(E) 080-100	1.4	4.2	3.1	1.4	.5							10.6	9.1	9.0
110-130	.7	1.2	.5	.2								2.6	7.5	6.0
140-160	1.2	1.4										2.6	5.2	5.0
(S) 170-190	.5	1.6	1.4	.9	1.6							6.1	12.4	10.0
200-220	.9	2.6	1.9	1.4	1.4	.2						8.5	11.6	10.0
230-250	1.2	2.6	2.8	1.6	.5	.2						8.9	10.5	10.0
(W) 260-280		3.1	.9	.5	.2	.2	.2					5.2	10.7	8.0
290-310	1.4	.7	.5		.2							2.8	6.9	5.0
320-340		.7										.7	7.3	8.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	10.1	/	/
TOTALS	12.5	36.5	24.5	10.0	5.6	.6	.2					100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 426

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)		WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N)	350-010			1.7	1.5	.2							3.5	8.9	9.0
	020-040	.5	3.7	3.7	1.0								8.9	9.0	10.0
	050-070	1.2	4.2	5.2	3.0	2.0	.2						15.9	11.8	12.0
(E)	080-100	.7	4.7	4.0	2.0	1.7							13.2	11.1	10.0
	110-130	1.5	1.2	1.0	.2								4.0	6.9	6.0
	140-160	1.0	2.0	.5	.2								3.7	6.7	6.0
(S)	170-190	2.2	2.7	2.5	1.5	.7							9.7	9.4	8.0
	200-220	1.0	4.2	2.0	2.0	1.5	.2						10.9	10.9	10.0
	230-250	.2	3.0	2.0	1.0	1.2	.2						7.7	11.9	10.0
(W)	260-280	1.0	.5	1.7	.5	.5							4.2	10.7	12.0
	290-310	.7	1.5	.7									3.0	6.6	6.0
	320-340	1.0	.7										1.7	4.1	4.0
VARIABLE															
CALM													13.6		
TOTALS		11.0	30.1	24.8	11.6	7.6	.6						100.0	8.7	10.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.5	3.8	4.0	1.3								9.6	9.7	10.0	
020-040	.5	.8	5.6	2.3	.3							9.3	11.6	10.0	
050-070	.8	1.5	5.1	1.5	2.0	.8						.3	11.9	14.6	12.0
(E) 080-100	.5	1.0	3.8	1.5	1.0		.3					8.1	13.3	12.0	
110-130	.5	.5	1.0	.3	.3							2.5	9.8	10.0	
140-160		.5	.3		.3							1.0	11.3	9.0	
(S) 170-190	.3	.5	.8	.8	.3		.3					2.8	13.7	12.0	
200-220	.5	3.5	3.5	2.5	2.3		.5					12.9	13.0	12.0	
230-250	1.3	3.0	2.8	2.0	1.0	.3						10.4	10.8	10.0	
(W) 260-280	1.0	4.8	1.3	1.0	.5							8.6	8.5	6.0	
290-310	1.8	4.0	2.0									7.8	7.2	7.0	
320-340	1.0	4.5	2.3	1.0								8.8	8.3	8.0	
VARIABLE															
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.3	//////////		
TOTALS	8.7	28.4	32.5	14.2	8.0	1.1	1.1					.3	100.0	10.4	10.0

TOTAL NUMBER OF OBSERVATIONS 396

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	5.2	5.4	1.4								13.1	9.1	10.0
020-040	1.4	4.7	8.7	1.6	.2							16.7	10.2	10.0
050-070	.7	3.3	5.2	1.9	1.6	.2						12.9	12.1	12.0
(E) 080-100	1.2	.9	2.8	1.9	1.2	.5						8.5	12.8	13.0
110-130			.2	.2								.5	13.5	13.5
140-160	.7	.7	.2									1.6	5.4	5.0
(S) 170-190	.5	1.4	.9	.5	.9	.2						4.5	12.6	10.0
200-220	.5	4.0	3.3	1.2	1.4		.2					10.6	11.0	10.0
230-250	1.6	3.5	1.6	2.3	.7	.2	.5					10.6	11.4	10.0
(W) 260-280	.5	1.4	1.4	.7								4.0	9.4	10.0
290-310	.9	4.0	.7	.5								6.1	6.7	5.0
320-340	.5	2.3	1.4	.2								4.5	8.2	8.0
VARIABLE														
CALM												6.6		
TOTALS	9.7	31.4	31.8	12.4	6.0	1.1	.7					100.0	9.8	10.0

TOTAL NUMBER OF OBSERVATIONS 426

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.5	4.2	3.2	.8								8.8	8.9	8.0	
020-040	1.3	4.2	6.0	1.4	.1							13.0	9.5	10.0	
050-070	1.2	3.6	5.3	2.3	1.7	.3						.1	14.4	12.0	12.0
(E) 080-100	1.0	2.7	3.4	1.7	1.1	.1	.1					10.1	11.3	10.0	
110-130	.7	.7	.7	.2	.1							2.4	8.2	8.0	
140-160	.7	1.2	.2	.1	.1							2.2	6.5	5.0	
(S) 170-190	.8	1.6	1.4	.9	.9	.1	.1					5.8	11.4	10.0	
200-220	.7	3.6	2.7	1.8	1.6	.1	.2					10.7	11.7	10.0	
230-250	1.1	3.0	2.3	1.8	.8	.2	.1					9.4	11.1	10.0	
(W) 260-280	.6	2.4	1.3	.7	.3	.1	.1					5.5	9.6	8.0	
290-310	1.2	2.5	1.0	.1	.1							4.9	6.9	6.0	
320-340	.6	2.1	.9	.3								3.9	7.8	7.5	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	9.1	/	/	/
TOTALS	10.4	31.8	28.4	12.1	6.8	.9	.6					.1	100.0	9.3	10.0

TOTAL NUMBER OF OBSERVATIONS 1651

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	2.9	3.7	1.2								8.4	9.4	10.0
020-040	1.0	3.9	5.3	2.3								12.5	9.9	10.0
050-070	1.0	2.9	4.3	.4	1.0	.4						10.0	11.5	12.0
(E) 080-100	.6	1.2	1.2	.4								3.5	8.5	8.0
110-130	.6	.6	.4	.2								1.8	7.0	6.0
140-160	.2	1.4	.4		.2							2.3	8.6	8.0
(S) 170-190	1.4	1.6	1.8	2.0	.4	.2	.2					7.8	11.7	10.5
200-220	1.0	2.5	2.9	2.0	2.3	.2	.2					11.1	12.7	10.0
230-250	1.2	4.5	2.9	1.8	1.8	.4	.4					13.1	11.7	10.0
(W) 26-80	.4	3.9	3.3	1.4	.6	.2						9.8	10.4	10.0
290-310	.8	3.9	2.7	.4	.2							8.0	8.6	8.0
320-340	.6	2.0	1.0									3.7	7.1	7.0
VARIABLE														
CALM												8.0		
TOTALS	9.4	31.3	29.9	12.1	6.5	1.4	.8					100.0	9.6	10.0
	TOTAL NUMBER OF OBSERVATIONS 488													

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	2.3	1.6									4.5	7.6	8.0
020-040	1.8	5.6	2.9	.2								10.6	7.3	6.0
050-070	.7	5.9	4.3	2.7	1.1	.2						14.9	10.6	10.0
(E) 080-100	2.5	6.3	2.3	2.3	.5							13.8	8.3	7.0
110-130	1.1	1.4										2.5	4.9	5.0
140-160	1.4	2.9	.9	.2								5.4	6.5	5.0
(S) 170-190	.9	1.1	2.5	.7	.7	.5	.5					6.8	12.9	10.5
200-220	.2	2.5	2.3	.9	1.1	.7	.5					8.1	13.8	12.0
230-250	1.6	2.0	2.5	.9	1.4	.2						8.6	11.0	10.0
(W) 260-280	1.1	2.7	1.6	1.1	.2	.2						7.0	9.5	8.0
290-310	.5	1.6	.7		.2							2.9	7.6	6.0
320-340	.9	1.4	1.1		.2							3.6	7.6	6.0
<hr/>														
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	11.3	/	/
TOTALS	13.4	35.7	22.7	9.0	5.4	1.8	1.0					100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 443

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.8	.8	.3								3.6	7.4	6.0
020-040	.8	2.6	4.6	1.3								9.2	9.6	10.0
050-070	2.3	4.3	4.1	3.3	1.5							15.6	10.4	10.0
(E) 080-100	1.5	3.8	2.6	2.0	.5							10.5	9.5	9.0
110-130	2.0	3.1	.8									5.9	6.0	6.0
140-160	.8	3.1										3.8	5.1	5.0
(S) 170-190	2.0	4.3	2.6	.8	.5	.3	.3					10.7	9.7	8.0
200-220	1.0	3.1	1.5	1.3	2.0			.3				9.2	12.4	10.0
230-250	.8	2.0	2.8	.3	1.3	.3	.3					7.7	12.0	11.0
(W) 260-280	.8	1.3	1.3	.3	.5	.3						4.3	10.5	10.0
290-310	.8	1.5	1.3	.3	.3							4.1	9.3	8.5
320-340		1.0	1.0		.3							2.3	10.1	10.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	13.0	/	/
TOTALS	13.6	31.9	23.4	9.9	6.9	.9	.6		.3			100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 391

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	3.6	3.4	.7	.2							9.4	8.7	8.0
020-040	.2	.7	3.9	1.9								6.8	11.5	10.0
050-070	.5	2.4	3.6	2.9	1.7	1.0						12.1	13.6	12.5
(E) 080-100	.2	1.5	2.7	1.2	.5	.2						6.3	11.9	11.0
110-130	.2	1.0	.5	.2								1.9	8.9	6.0
140-160	.2	.5	.2			.2						1.2	11.0	8.0
(S) 170-190	1.5	1.5	1.9	.5	.2							5.6	8.4	8.0
200-220	.7	4.6	3.4	1.0	.7	.2	.5					11.1	11.1	10.0
230-250	2.9	4.1	5.1	1.0	1.5	.5	.2					15.3	10.2	10.0
(W) 260-280	1.0	4.6	1.7	.5	.2	.2				.2		8.5	10.2	8.0
290-310	2.2	2.2	1.0		.5							5.8	7.0	5.5
320-340	1.5	4.4	3.4									9.2	7.5	8.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	6.8	/	/
TOTALS	12.6	31.1	30.8	9.9	5.5	2.3	.7				.2	100.0	9.5	10.0

TOTAL NUMBER OF OBSERVATIONS 413

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
(N) 350-010	2.3	5.4	4.4	.2								.2	12.6	8.6	8.0	
020-040	1.9	3.0	4.9	1.2	.5	.2							11.7	9.8	10.0	
050-070	1.4	3.0	4.4	2.8	.7	.2						.2	12.9	12.2	10.0	
(E) 080-100	.7	2.3	2.8	.9	.7								7.5	10.5	10.0	
110-130		.9	.5										1.4	8.7	8.0	
140-160	.2	.9	.2										1.4	6.0	6.0	
(S) 170-190	.2	2.3	1.4	1.4	.9								6.3	12.2	10.0	
200-220	2.3	2.8	2.1	2.6	.9	.5						.2	11.5	11.8	10.0	
230-250	1.2	2.6	1.9	.5	.7	.2	.2						7.3	10.5	8.0	
(W) 260-280	.7	1.9	1.2	.9	.5								5.2	10.3	9.0	
290-310	2.3	1.9	.9	.2	.2			.2					5.9	8.1	6.0	
320-340	2.3	2.6	2.6										7.5	7.3	8.0	
VARIABLE																
CALM	/	/	/	/	/	/	/	/	/	/	/		8.9	/	/	
TOTALS	15.5	29.6	27.3	10.7	5.1	1.1	.2	.2				.2	.4	100.0	9.2	10.0

TOTAL NUMBER OF OBSERVATIONS 427

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	1.3	3.3	2.6	.3	.1							.1	7.6	8.4	6.0
020-040	1.2	3.0	4.1	1.1	.1	.1							9.6	9.3	10.0
050-070	1.2	3.9	4.1	2.9	1.3	.4						.1	13.9	11.6	10.0
(E) 080-100	1.3	3.5	2.6	1.6	.5	.1							9.6	9.6	9.5
110-130	.8	1.6	.4	.1									2.9	6.6	6.0
140-160	.7	1.9	.4	.1		.1							3.0	6.5	5.0
(S) 170-190	1.1	2.3	2.1	.8	.6	.2	.2						7.3	10.8	10.0
200-220	1.1	3.2	2.3	1.4	1.2	.4	.2			.1	.1		10.0	12.2	10.0
230-250	1.6	2.7	3.0	.7	1.2	.3	.2						9.7	10.8	10.0
(W) 260-280	.9	2.6	1.4	.7	.4	.2				.1			6.3	10.1	8.0
290-310	1.4	1.8	1.0	.1	.3			.1					4.7	7.9	6.0
320-340	1.2	2.3	2.0		.1								5.7	7.7	8.0
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/		10.0	/	/
TOTALS	13.8	32.1	26.0	9.8	5.8	1.8	.6	.1	.1	.2	.2	100.0	8.9	9.0	

TOTAL NUMBER OF OBSERVATIONS 1674

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	1.3	3.9	3.9	.7	.1							.1	10.2	9.6	8.5
020-040	.7	3.6	5.2	1.0									10.6	9.2	10.0
050-070	.6	3.9	4.5	2.5	1.3	.1							13.0	11.5	10.0
(E) 080-100	.9	2.4	2.1	1.8	.3								7.5	9.9	10.0
110-130	.4	1.0	.1										1.6	5.8	6.0
140-160	.4	.9	.3	.1									1.9	8.2	6.0
(S) 170-190	.6	1.9	1.8	1.3	.7	.1							6.6	11.6	11.0
200-220	.7	2.2	2.7	2.2	1.8	.4	.6			.1	.1		11.1	15.0	14.0
230-250	1.8	2.8	3.7	.9	1.9	.4	.4						12.1	12.0	10.0
(W) 260-280	.7	2.2	2.2	.9	.4	.4							7.0	11.2	10.0
290-310	1.6	1.6	1.3	.1	.6								5.5	9.2	8.0
320-340	.4	2.1	2.4		.1								5.1	8.6	9.5
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/		7.8	/	/
TOTALS	10.1	28.5	30.2	11.5	7.2	1.5	1.0	.1	.1	.1	.1		100.0	10.1	10.0

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.7	1.0	.7								4.1	8.7	8.0
020-040	3.1	6.3	6.0	2.2	1.2							18.8	9.5	9.0
050-070	1.9	6.5	7.2	2.7	.7	.2						19.3	10.1	10.0
(E) 080-100	2.4	2.2	1.7	1.0	.7	.2						8.2	9.5	8.5
110-130	.5	2.2			.2							2.9	7.2	6.0
140-160	1.7	1.9	1.9									5.5	7.0	6.0
(S) 170-190	1.2	2.7	1.7	1.2		.2	.2					7.2	10.5	8.5
200-220	1.2	1.4	1.0	1.2	.7		.2					5.8	11.1	10.0
230-250	.2	1.2	1.4	1.0	.7							4.6	12.7	12.0
(W) 260-280		1.0	1.9	.5	.5	.2						4.1	12.9	12.0
290-310	.2	.7	2.2	.5	.2							3.9	10.5	10.0
320-340	.7	1.2	.2	.7								2.9	8.4	7.0
VARIABLE														
CALM												12.8		
TOTALS	13.8	29.0	26.2	11.7	4.9	.8	.4					100.0	8.6	10.0

TOTAL NUMBER OF OBSERVATIONS 415

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	2.4	1.7	.2	.5	.2						6.1	9.3	8.0
020-040	1.5	5.6	4.4	3.6	1.2	.2						16.5	10.7	10.0
050-070	3.2	4.9	6.1	2.9	3.6	.5						21.2	11.3	10.0
(E) 080-100	2.4	4.4	2.7	.5	.5	.2						10.7	8.3	8.0
110-130	1.2	1.9	1.5	.2								4.9	7.3	6.5
140-160	.5	1.7	1.2									3.4	7.9	8.0
(S) 170-190	.5	1.7	1.2	1.5	1.2	.5						6.6	13.1	13.0
200-220	.7	1.0	.7	.7	.2	.2	.2					3.9	12.2	10.0
230-250	.2	1.2	1.5	.5	1.2							4.6	12.2	10.0
(W) 260-280	.2	1.9	2.4	.5	.2		.2					5.6	11.1	10.0
290-310	.2	1.2	.7	.2			.2					2.7	11.7	8.0
320-340	.5	.7	.7	.2	.5							2.7	10.5	10.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	11.2	/	/
TOTALS	12.1	28.6	24.8	11.0	9.1	1.8	.6					100.0	9.4	10.0

TOTAL NUMBER OF OBSERVATIONS 411

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	1.0	3.9	2.2	.7	.2							8.1	8.5	8.0	
020-040	1.2	5.7	5.2	2.2	1.5	.5	.2					16.5	11.2	10.0	
050-070	1.5	4.9	6.7	3.4	3.9	.7						21.2	12.8	12.0	
(E) 080-100	.5	2.7	2.0	.5	1.5							7.1	11.2	10.0	
110-130	.5	1.0	.7									2.2	7.0	7.0	
140-160	1.2	1.5	.2	.5	.2							3.7	7.7	6.0	
(S) 170-190	1.0	2.7	1.0	.2	1.2							6.2	9.8	7.0	
200-220	1.0	2.2	1.2	2.0	.5	.2						7.1	11.3	10.0	
230-250	1.5	1.0	3.0	.5	.5	.2						6.7	10.4	10.0	
(W) 260-280	.7	1.2	1.7	.7	.5	.2					.2	5.4	13.4	10.0	
290-310	.2	1.0	1.7	.2								3.2	9.3	10.0	
320-340	.7	2.2	1.0		.2	.2						4.4	8.8	7.0	
<hr/>															
VARIABLE															
CALM												8.1			
TOTALS	11.0	30.0	26.6	10.9	10.2	2.0	.2					.2	100.0	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS 406

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	1.9	2.3	1.2	.5								5.9	7.2	6.0	
020-040	3.5	8.9	5.4	3.1	2.6	.2	.2					23.9	10.3	8.0	
050-070	1.9	5.2	5.6	2.6	2.3	1.6						19.2	12.3	12.0	
(E) 080-100	1.2	2.8	.5	.7	.2							5.4	8.6	8.0	
110-130	.7	1.2										1.9	5.1	5.0	
140-160	.7	.9	.7									2.3	6.5	6.0	
(S) 170-190	.7	1.4	1.9	.5	.2		.2					4.9	10.7	10.0	
200-220	.5	1.2	1.4	1.4	.9	.2						5.6	13.1	13.0	
230-250	.7	1.6	1.6	.7	.9	.2						5.9	11.7	10.0	
(W) 260-280	.7	1.4	1.9	.5	.7	.5						5.6	12.1	11.5	
290-310	.5	1.2	1.6	.5	.5							4.2	10.0	10.0	
320-340	.2	1.6	.7	.2								2.8	8.2	6.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	12.2	/	/	
TOTALS	13.2	29.7	22.5	10.7	8.3	2.7	.4					100.0	9.3	10.0	

TOTAL NUMBER OF OBSERVATIONS 426

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210		STATION NAME: POINT LAY AK										PERIOD OF RECORD: JAN 73 - SEP 88				
		LST TO UTC: + 9										MONTH: SEP HOURS: ALL				
		WIND SPEED IN KNOTS														
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
(N)	350-010	1.1	2.6	1.5	.5	.2	.1						6.0	8.4	8.0	
	020-040	2.4	6.6	5.2	2.8	1.6	.2	.1					19.0	10.4	10.0	
	050-070	2.1	5.4	6.4	2.9	2.7	.8						20.2	11.7	10.0	
(E)	080-100	1.6	3.0	1.7	.7	.7	.1						7.8	9.3	8.0	
	110-130	.7	1.6	.5	.1	.1							3.0	6.8	6.0	
	140-160	1.0	1.5	1.0	.1	.1							3.7	7.3	6.0	
(S)	170-190	.8	2.1	1.4	.8	.7	.2	.1					6.2	11.1	10.0	
	200-220	.8	1.4	1.1	1.3	.6	.2	.1					5.6	11.9	10.0	
	230-250	.7	1.3	1.9	.7	.8	.1						5.4	11.6	10.0	
(W)	260-280	.4	1.4	2.0	.5	.5	.2	.1			.1		5.2	12.3	10.0	
	290-310	.3	1.0	1.6	.4	.2		.1					3.5	10.3	10.0	
	320-340	.5	1.4	.7	.3	.2	.1						3.2	8.9	8.0	
VARIABLE																
	CALM	//////////												11.1	//////////	
	TOTALS	12.4	29.3	25.0	11.1	8.4	2.0	.5					.1	100.0	9.3	10.0
TOTAL NUMBER OF OBSERVATIONS 1658																

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FFET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	2.7	1.9	.9	.4	.1						7.3	9.4	8.0
020-040	1.5	6.8	5.9	3.7	2.0	.3	.1					20.3	11.0	10.0
050-070	1.3	3.5	7.4	3.3	2.6	.6						18.7	12.6	12.0
(E) 080-100	1.0	2.4	1.2	.4	.4							5.4	8.7	8.0
110-130	1.0	1.3	.4									2.7	5.8	5.0
140-160	.6	.8	.9									2.3	6.9	6.5
(S) 170-190	.6	1.2	1.5	.9	1.0	.4						5.6	12.8	10.0
200-220	.8	1.2	1.4	1.4	.6	.1	.3					5.8	12.7	10.0
230-250	.6	1.7	2.3	.9	1.0	.1						6.6	11.6	10.0
(W) 260-280	.3	2.2	3.1	.6	.8	.4	.1			.1		7.5	13.0	10.0
290-310		1.2	2.4	.5	.1		.1					4.3	11.0	10.0
320-340	.5	1.9	1.2	.5	.4	.1						4.6	9.9	8.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	8.8	/	/
TOTALS	9.5	26.9	29.6	13.1	9.3	2.1	.6					100.0	10.2	10.0

TOTAL NUMBER OF OBSERVATIONS 782

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)		WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N)	350-010	1.3	1.9	1.1	.3	.3							4.8	7.6	5.0	
	020-040	1.9	8.3	6.4	3.7	4.0	2.4	.3					26.9	13.0	12.0	
	050-070	1.6	5.1	6.7	3.7	3.5	.5	.8					21.9	13.0	12.0	
(E)	080-100	3.2	4.5	2.1	1.1	.8		.5					12.3	9.0	6.0	
	110-130	1.6	2.9	.8									5.3	5.9	5.5	
	140-160	1.6	1.1	.5	.5	.3	.3						4.3	9.1	5.5	
(S)	170-190	.8	1.3	.3		.5							2.9	9.4	8.0	
	200-220	.3	.8	.3		.8	.3						2.4	14.1	10.0	
	230-250		1.1	1.1									2.1	9.1	9.0	
(W)	260-280	.3	1.1	.5	.3	.3			.3				2.7	12.3	9.0	
	290-310		.8	1.1		.3		.3					2.4	12.8	10.0	
	320-340	.3	1.1	.3	.5								2.1	9.6	8.5	
VARIABLE																
CALM													9.9			
TOTALS		12.9	30.0	21.2	10.1	10.8	3.5	1.9	.3				100.0	10.2	10.0	

TOTAL NUMBER OF OBSERVATIONS 375

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.1	1.9	.8								4.3	9.8	11.0
020-040	2.2	6.7	6.2	4.0	4.8	1.1	.3					25.3	12.6	12.0
050-070	.8	5.9	3.8	5.1	3.2	2.4	1.1					22.3	14.9	15.0
(E) 080-100	3.0	4.6	2.2	.5	.8	.3		.3				11.6	9.0	6.0
110-130	1.3	3.2	.3									4.8	5.4	5.0
140-160	1.3	1.6	1.1	.5								4.6	7.7	6.0
(S) 170-190	1.3	1.1			1.3							3.8	10.3	5.5
200-220		.5	.5		.3							1.3	10.2	10.0
230-250		.3	.3		.5	.3						1.3	17.8	20.0
(W) 260-280		1.3	1.1		.3							2.7	9.7	9.0
290-310	.5	1.3	1.3	.3	.3							3.8	9.0	9.5
320-340		1.3	.8				.3					2.4	10.9	9.0
VARIABLE														
CALM												11.8		
TOTALS	10.9	28.9	19.5	11.2	11.5	4.1	1.7	.3				100.0	10.2	10.0

TOTAL NUMBER OF OBSERVATIONS 372

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
(N) 350-010	.8	2.7	1.1	.8								5.4	8.5	8.0		
020-040	1.9	5.1	5.9	4.6	4.9	.8	.8					.3	24.3	14.4	14.0	
050-070	1.3	7.0	6.7	3.8	3.0	2.4	1.3					.3	25.9	14.0	12.0	
(E) 080-100	1.3	3.2	2.4	.8	.5	.5						8.9	9.9	8.0		
110-130	1.9	2.4	.5									4.9	5.6	5.0		
140-160	1.1	3.2	.3	.3								4.9	5.7	5.0		
(S) 170-190	1.3	2.2	.8	1.3	.5							6.2	9.6	8.0		
200-220	.8	1.1	.5									2.4	6.4	5.0		
230-250	.5	.3		.3	.5							1.6	12.3	13.0		
(W) 260-280		.5	1.9	.3								2.7	10.4	10.0		
290-310		1.1	.5	.3	.3							.3	2.4	13.8	12.0	
320-340	.5	1.1	.3	.3		.3						2.4	9.1	6.0		
VARIABLE																
CALM	/	/	/	/	/	/	/	/	/	/	/	8.1	/	/	/	
TOTALS	11.4	29.9	20.9	12.8	9.7	4.0	2.1					.6	.3	100.0	10.8	10.0

TOTAL NUMBER OF OBSERVATIONS 371

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)		WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010		.3	2.4	.5	.8	.3							4.2	9.8	8.0	
020-040		2.4	8.9	6.0	3.7	3.4	1.0	.8	.3				26.4	12.1	10.0	
050-070		1.3	5.8	6.8	3.9	4.5	1.3	.8	.8				25.1	14.4	12.0	
(E) 080-100		3.1	5.8	1.3	.3	.3		.3					11.0	7.2	6.0	
110-130		1.0	2.1	.5									3.7	6.1	5.5	
140-160		1.6	1.6	1.0			.3						4.5	7.3	6.0	
(S) 170-190		.3	2.9	.3	.3								3.7	7.3	6.0	
200-220			1.3	1.0	.3	.5							3.1	11.4	10.0	
230-250			.5	.3		.3							1.0	11.3	9.0	
(W) 260-280		.3	.3	.8	1.0	.3							2.6	13.1	13.5	
290-310		.3	.3	1.0	.5	.3							2.4	12.1	10.0	
320-340		.5	.3	.5	.5	.3							2.1	11.1	12.0	
VARIABLE																
CALM		/	/	/	/	/	/	/	/	/	/	/	10.2	/	/	
TOTALS		11.1	32.2	20.0	11.3	10.5	2.3	1.9	1.1				100.0	10.2	10.0	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	% WIND	WIND		
(N) 350-010	.7	2.0	1.1	.7	.1								4.7	8.9	8.0
020-040	2.1	7.3	6.1	4.0	4.3	1.3	.5	.1				.1	25.7	13.0	12.0
050-070	1.3	5.9	6.0	4.1	3.5	1.7	1.0	.2	.1				23.8	14.1	12.0
(E) 080-100	2.7	4.5	2.0	.7	.6	.2	.2	.1					10.9	8.7	6.0
110-130	1.5	2.7	.5										4.7	5.7	5.0
140-160	1.4	1.9	.7	.3	.1	.1							4.5	7.4	5.0
(S) 170-190	.9	1.9	.3	.4	.6								4.1	9.2	6.5
200-220	.3	.9	.6	.1	.4	.1							2.3	10.7	9.0
230-250	.1	.5	.4	.1	.3	.1							1.5	12.2	10.0
(W) 260-280	.1	.8	1.1	.4	.2							.1	2.7	11.4	10.0
290-310	.2	.9	1.0	.3	.3			.1				.1	2.7	11.6	10.0
320-340	.3	.9	.5	.3	.1	.1	.1						2.3	10.2	8.5
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	/	10.0	/	/
TOTALS	11.6	30.2	20.3	11.4	10.5	3.6	1.9	.4	.3			.1	100.0	10.3	10.0

TOTAL NUMBER OF OBSERVATIONS 1500

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.7	1.3	1.7	.2							6.0	10.2	10.0
020-040	2.3	8.5	3.6	5.6	6.8	1.7	.9					29.4	13.9	15.0
050-070	1.5	4.3	3.2	3.4	3.0	1.7	1.3	.4				18.8	15.2	15.0
(E) 080-100	2.3	2.6	.6	.2		.2	.4	.2				6.4	8.6	5.0
110-130	1.9	2.8	.6									5.3	5.7	5.0
140-160	1.1	1.5	.9	.6								4.1	7.8	6.0
(S) 170-190	1.1	1.7	.4	.2	.9							4.3	9.6	6.0
200-220	.4	.9	.8		.2	.2						2.4	10.2	9.0
230-250	.2	.6	.8	.2	.2	.2						2.1	12.3	10.0
(W) 260-280	.4	.9	1.3	.6	.4							3.6	10.8	10.0
290-310	.4	1.1	2.1	.2	.4							4.1	9.8	10.0
320-340	.4	1.1	.8	.4								2.6	9.0	9.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	10.7	/	/
TOTALS	13.1	27.7	16.4	13.1	12.1	4.0	2.6	.6				100.0	10.7	10.0

TOTAL NUMBER OF OBSERVATIONS 531

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	1.0	.5	.5	.2							2.5	10.7	9.0
020-040	2.0	6.4	6.2	5.4	3.2	1.0	.2					24.5	12.7	12.0
050-070	3.0	6.2	6.7	4.5	4.5	2.0	2.2					29.0	14.2	12.0
(E) 080-100	1.2	7.4	2.0	.5	.7	1.0	.2					13.1	9.9	8.0
110-130	1.2	.7	.2	.5								2.7	6.7	5.0
140-160	1.0	2.2	1.0	.7		.2	.2					5.4	9.8	7.5
(S) 170-190	.5	1.0	.7	.7	.7	.2		.2				4.2	14.2	12.0
200-220	.2	.5	1.0	.2	.2		.2					2.5	12.6	10.0
230-250	.2	.5	1.5	.5		.2						3.0	12.5	12.0
(W) 260-280	.7	.7	.5	.5			.2					2.7	10.5	9.0
290-310	.2		.5									.7	9.0	10.0
320-340	.2	.7	.7	.7	.2							2.7	11.4	12.0
VARIABLE														
CALM												6.5		
TOTALS	10.6	27.3	21.5	14.7	9.7	4.6	3.2		.2			17.0	11.4	10.0

TOTAL NUMBER OF OBSERVATIONS 404

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.5	.8		.5	.3						2.1	14.0	12.0
020-040	4.0	5.1	6.4	5.3	3.7	1.3			.3			26.2	12.5	12.0
050-070	3.5	7.8	4.3	4.5	4.5	2.1	1.6	.5				28.9	14.0	13.0
(E) 080-100	1.9	5.3	1.9	.5	.8	.3		.3	.3			11.2	9.9	6.0
110-130	1.3	2.7	.3		.5							4.8	7.7	5.5
140-160	1.1	1.3	.3		.3							2.9	7.1	6.0
(S) 170-190	.5	1.1	.8	.5	.5	.8	.3					4.5	14.2	10.0
200-220	.3		.5	.3			.3			.3		1.6	22.7	15.0
230-250	.3	.3	.3	.5		.5						1.9	15.1	16.0
(W) 260-280	.3	1.3	2.4		.5							4.5	10.8	10.0
290-310		.8	.5	.5								1.9	11.7	10.0
320-340	.3	1.3	.5		.3							2.4	8.6	8.0
VARIABLE														
CALM												7.0		
TOTALS	13.5	27.5	19.0	12.1	11.6	5.3	2.2	1.1	.3	.3		100.0	11.5	10.0
	TOTAL NUMBER OF OBSERVATIONS 374													

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.5	2.4	.8		.3							4.0	7.3	6.0	
020-040	2.9	5.3	5.0	5.0	4.0	1.3					.3	24.1	13.6	12.0	
050-070	2.6	6.6	7.1	3.2	4.8	2.6	2.4	.3				29.6	14.5	12.0	
(E) 080-100	1.9	2.9	2.9	1.1	.3	1.1	.3					10.3	11.4	11.0	
110-130	1.3	1.1	1.1									3.4	7.0	5.0	
140-160	.5	2.9	1.3		.5	.3						5.6	9.3	8.0	
(S) 170-190	.8	1.1	.8		.3	.3	.3					3.4	11.2	7.0	
200-220	.3	1.1	.3	.5		.3	.3					2.6	12.6	9.5	
230-250	.3	.5	.8	.3	.8							2.6	12.9	13.0	
(W) 260-280	.3	.3	1.1	.5			.3					2.4	13.0	12.0	
290-310	.3	1.1	.3	.3	.3							2.1	10.1	8.5	
320-340	.5	.3	.8	.5								2.1	9.6	10.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	7.7	/	/	
TOTALS	12.2	25.6	22.3	11.4	11.3	5.9	3.6	.3	.3			.3	100.0	11.6	10.0
	TOTAL NUMBER OF OBSERVATIONS 378														

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		2.5	.5	.5								3.5	8.1	6.0
020-040	2.5	5.3	5.6	5.8	2.5	1.3	.3	.3				23.5	12.8	12.0
050-070	2.8	5.8	6.6	4.3	6.1	2.5	1.3					29.3	14.5	14.0
(E) 080-100	1.8	3.8	3.5	.8	1.5	.5	1.0					12.9	12.5	10.0
110-130	2.5	2.3	1.3	.3								6.3	6.8	5.0
140-160	.8	2.3	.8	.3		.3						4.3	8.5	6.0
(S) 170-190	1.0	1.3	.8	.5	.3	.3		.3				4.3	11.8	8.0
200-220	.5	.8	1.3		.3							2.8	10.2	11.0
230-250	.5	.5	.5		.3			.3				2.0	13.1	10.0
(W) 260-280	.5	.3	1.0	.3								2.0	8.9	10.0
290-310	.3	.8	.5				.3					1.8	11.3	8.0
320-340		.5	.3	.5								1.3	10.6	10.0
VARIABLE														
CALM	//////////											6.1	//////////	
TOTALS	13.2	26.2	22.7	13.3	11.0	4.9	2.9	.6	.3			100.0	11.5	10.0

TOTAL NUMBER OF OBSERVATIONS 396

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												% WIND	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.2	1.6	.6	.3	.3	.1							3.0	9.4	8.0
020-040	2.8	5.5	5.8	5.4	3.4	1.2	.1	.1	.1			.1	24.5	12.9	12.0
050-070	3.0	6.6	6.2	4.1	5.0	2.3	1.9	.2					29.2	14.3	13.0
(E) 080-100	1.7	4.9	2.6	.7	.8	.7	.4	.1	.1				11.9	10.9	8.0
110-130	1.6	1.7	.7	.2	.1								4.3	7.0	5.0
140-160	.8	2.2	.8	.3	.2	.2	.1						4.6	8.9	7.0
(S) 170-190	.7	1.1	.8	.5	.5	.4	.1		.1				4.1	13.0	10.0
200-220	.3	.6	.8	.3	.1	.1	.2			.1			2.4	13.5	11.0
230-250	.3	.5	.8	.3	.3	.2		.1					2.4	13.2	12.0
(W) 260-280	.5	.6	1.2	.3	.1		.1						2.9	10.8	10.0
290-310	.2	.6	.5	.2	.1		.1						1.6	10.8	9.0
320-340	.3	.7	.6	.5	.1								2.1	10.1	10.0
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	/	6.9	/	/
TOTALS	12.4	26.6	21.4	13.1	11.0	5.2	3.0	.5	.3	.1	.1	100.0	11.5	10.0	

TOTAL NUMBER OF OBSERVATIONS 1552

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0600 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	2.1	1.0	1.0	.5	.2						5.0	10.9	10.0
020-040	1.4	3.6	5.0	6.7	4.8	1.7	.2					23.3	14.7	15.0
050-070	1.2	4.5	3.3	4.0	4.3	2.1	2.1					21.6	15.9	16.0
(E) 080-100	1.9	3.8	2.4	.5			.2					8.8	8.3	6.0
110-130	2.1	.7	1.0	.2	.2							4.3	7.3	4.5
140-160	1.0	1.9	1.0	.2	.5	.2	.2					5.0	10.4	8.0
(S) 170-190	.5	.5	1.4	.5	1.4	1.0			.5			5.7	17.7	17.5
200-220	.5		1.4	.7	.5		.5			.2		3.8	18.2	14.5
230-250	.5	.5	1.2	.7	.7							3.6	12.9	14.0
(W) 260-280	.7	1.7	2.1	.5	.5							5.5	10.3	10.0
290-310	.2	1.0	1.0	.7	.2							3.1	11.7	10.0
320-340	.5	2.4	1.2	1.0	.2							5.2	9.3	8.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	5.2	/	/
TOTALS	10.7	22.7	22.0	16.7	13.8	5.2	3.2			.5	.2	100.0	12.5	12.0

TOTAL NUMBER OF OBSERVATIONS 421

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010		1.8	.3	.5	.5							3.0	11.2	8.0	
020-040	1.8	3.8	4.1	4.1	5.1	1.8	2.0					.3	22.8	16.6	16.5
050-070	.5	4.8	6.6	6.1	6.1	1.0	1.3					.3	26.6	15.8	15.0
(E) 080-100	1.5	1.8	1.8	.8	1.3	.3	.5					.3	7.8	12.4	10.0
110-130	1.3	1.3	.5			.3						.3	3.3	7.3	5.0
140-160	1.5	2.0	1.0	.5								.3	5.1	7.3	6.0
(S) 170-190	1.5	1.3	.8	.8				.3				.3	4.8	11.7	6.0
200-220		1.8	1.5	.8	1.0		.5					.3	5.6	14.2	12.0
230-250	.5	1.0	1.3	.5	1.0	.3						.3	4.6	13.3	13.0
(W) 260-280		1.8	1.3	.3	.3							.3	3.5	10.5	9.0
290-310	.3	.8	.8	.3								.3	2.0	8.6	8.0
320-340	2.3	1.0	.5		.3							.3	4.1	5.6	4.0
VARIABLE															
CALM												6.8			
TOTALS	11.2	23.2	20.5	14.7	15.6	3.7	4.3	.3	.3	.3	.3	100.0	12.6	12.0	

TOTAL NUMBER OF OBSERVATIONS 395

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.1	.5	.3		.3						3.2	8.7	6.0
020-040	2.2	5.4	5.4	3.5	4.3	1.4	.3	.3				22.7	13.6	12.0
050-070	2.7	4.3	5.1	5.7	5.4	2.4	3.0		.3			28.9	16.2	16.0
(E) 080-100	1.4	2.7	1.6	.8	2.2	1.1	.8					10.5	14.4	11.0
110-130	.3	2.7	.3	.3	.3							3.8	8.3	7.0
140-160		2.2	.3	.3	.3							3.0	8.9	8.0
(S) 170-190	.8	1.1	.5	.5								3.0	9.0	8.0
200-220	.5	1.4	.8	1.6	.5	.3		.3				5.4	14.5	14.5
230-250	.3	1.6	1.9		.3				.3			4.3	11.5	10.0
(W) 260-280	.8	2.7	1.6	.3	.3							5.7	8.7	8.0
290-310	.3	1.4	.5		.3							2.4	8.9	7.0
320-340		.8										.8	7.3	7.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	6.2	/	/
TOTALS	10.4	27.4	18.5	13.3	13.9	5.5	4.1	.6	.6			100.0	12.5	11.0

TOTAL NUMBER OF OBSERVATIONS 370

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)		WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N)	350-010	1.6	2.1	.3	.3	.8							5.1	8.3	6.0	
	020-040	2.1	3.7	8.0	4.0	2.9	1.3	.3	.3	.3			22.9	13.8	12.0	
	050-070	1.3	2.4	6.9	5.9	4.3	2.9	1.9	.3				25.8	16.7	16.0	
(E)	080-100	2.1	2.1	1.3	1.1	1.3	.8	.5					9.3	12.6	12.0	
	110-130	.5	1.9	1.6		.3							4.3	8.6	8.0	
	140-150	2.1	1.6	.5	.3	.3							4.8	7.1	5.0	
(S)	170-190	.8	1.3	.5	.8	.8							4.3	11.4	9.5	
	200-220	.5	1.1	1.1	.8	1.3	.3	.3					5.3	14.3	14.5	
	230-250		1.1	1.9	.8	.8							4.5	12.3	11.0	
(W)	260-280	.3	2.1	1.1	.8	.3							4.5	10.2	8.0	
	290-310	.5	.3	1.1									1.9	8.1	10.0	
	320-340	.5		.8									1.3	8.4	10.0	
VARIABLE																
CALM													6.1			
TOTALS		12.3	19.7	25.1	14.8	13.1	5.3	3.0	.6	.3			100.0	12.3	12.0	
TOTAL NUMBER OF OBSERVATIONS													376			

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.8	3.1	.8	.3		.3						5.1	8.4	8.0	
020-040	1.8	3.8	7.1	4.3	4.3	2.8	.5	.8				25.4	15.5	14.5	
050-070	1.5	3.3	5.6	3.1	4.1	3.6	2.0	.5				23.7	16.7	16.0	
(E) 080-100	2.8	2.5	1.5	1.3	1.8	.3	.5					10.7	12.0	9.5	
110-130	1.0	1.3	.5	.5	.5							3.8	9.7	6.0	
140-160	1.8	1.5	.3			.3						3.8	7.1	5.0	
(S) 170-190	.3	1.5	1.0		.3		.3	.3				3.6	12.8	9.0	
200-220	.3	1.3	2.8	.8	1.3	.3						6.6	13.1	13.0	
230-250	.5	1.0	1.8	.5	.8							4.6	11.8	12.0	
(W) 260-280		1.3	2.0	.5								3.8	10.7	12.0	
290-310		.3	.5									.8	9.7	10.0	
320-340	.5		.5		.3							1.3	8.8	10.0	
VARIABLE															
CALM													6.9		
TOTALS	11.3	20.9	24.4	11.3	13.4	7.6	3.3	1.6				100.0	12.7	12.0	

TOTAL NUMBER OF OBSERVATIONS 393

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210		STATION NAME: POINT LAY AK		PERIOD OF RECORD: JAN 73 - SEP 88												
		LST TO UTC: + 9		MONTH: DEC HOURS: ALL												
		WIND SPEED IN KNOTS														
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
(N) 350-010		.8	2.0	.5	.3	.3	.1						4.1	9.0	8.0	
020-040		2.0	4.2	6.1	4.0	4.2	1.8	.8	.3	.1			.1	23.5	14.9	14.0
050-070		1.5	3.7	6.1	5.1	5.0	2.5	2.0	.2	.1			26.2	16.3	16.0	
(E) 080-100		2.0	2.3	1.6	1.0	1.6	.6	.6					9.6	12.9	10.0	
110-130		.8	1.8	.7	.2	.3	.1						3.8	8.5	7.0	
140-160		1.4	1.8	.5	.3	.1	.1						4.2	7.5	6.0	
(S) 170-190		.8	1.3	.7	.5	.3		.1	.1		.1		3.9	11.4	8.0	
200-220		.3	1.4	1.6	1.0	1.0	.2	.2	.1				5.7	14.0	13.0	
230-250		.3	1.2	1.7	.5	.7	.1			.1			4.5	12.2	11.0	
(W) 260-280		.3	2.0	1.5	.5	.2							4.4	9.9	9.0	
290-310		.3	.7	.7	.1	.1							1.8	8.7	8.0	
320-340		.8	.5	.5		.1							1.9	6.8	5.0	
VARIABLE																
CALM		//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.5	//////////		
TOTALS		11.3	22.9	22.2	13.5	13.9	5.5	3.7	.7	.3	.1	.1	100.0	12.5	12.0	
TOTAL NUMBER OF OBSERVATIONS 1534																

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	3.0	1.2	.6	.9	.6						6.6	12.2	9.0
020-040	.6	4.8	5.4	3.6	8.7	3.3	.3					26.8	16.5	18.0
050-070	.6	.9	5.4	4.2	9.3	1.5	2.4					24.4	18.7	20.0
(E) 080-100	.9	2.7	2.1	1.2	1.8	.3	.3					9.3	12.9	12.0
110-130	.6	1.2		.3	.6	.3						3.0	12.3	8.0
140-160	1.8	.3	.3									2.4	5.1	4.0
(S) 170-190	.3	.6	.9	.6	.6		.3					3.3	14.7	13.0
200-220		.9	2.4	1.5	1.2	.3	.3	.3				6.9	16.6	16.0
230-250		.9	.9	.9	2.1							4.8	15.4	16.5
(W) 260-280		.9	1.2	.9	.6							3.6	12.9	12.0
290-310		.6	1.5	.3	.3							2.7	11.7	12.0
320-340		.6	.9		.3							1.8	12.3	11.0
VARIABLE														
CALM												4.2		
TOTALS	5.1	17.4	22.2	14.1	26.4	6.3	3.6	.3				100.0	14.9	15.0

TOTAL NUMBER OF OBSERVATIONS 332

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												% WIND	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.9	2.6	1.6	.4	.2	.0			.0	.0	.0	5.7	8.7	8.0	
020-040	1.7	5.1	6.0	4.1	3.2	1.4	.5	.1	.0	.0	.0	22.1	13.5	12.0	
050-070	1.7	4.6	5.3	3.7	3.5	1.8	1.3	.2	.1	.0	.0	22.3	14.8	14.0	
(E) 080-100	1.5	2.9	2.1	1.2	1.2	.4	.3	.1	.1			9.8	12.0	10.0	
110-130	1.0	1.4	.4	.1	.1	.0	.0					3.0	7.2	6.0	
140-160	1.0	1.5	.5	.1	.1	.0	.0					3.2	7.1	6.0	
(S) 170-190	1.1	1.8	.9	.6	.4	.1	.1	.0	.0	.0	.0	5.1	10.1	8.0	
200-220	.7	1.9	1.4	.8	.7	.1	.1	.0	.0	.0	.0	5.8	11.5	10.0	
230-250	.7	1.6	1.5	.5	.5	.1	.1	.0	.0	.0	.0	5.1	10.9	10.0	
(W) 260-280	.6	1.4	1.1	.4	.2	.1	.0	.0	.0	.0	.0	3.8	9.9	8.0	
290-310	.6	1.1	.7	.1	.1		.0	.0	.0		.0	2.6	8.4	7.0	
320-340	.6	1.3	.7	.2	.1	.0	.0				.0	2.7	8.0	7.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	8.9	/	/	
TOTALS	12.1	27.2	22.2	12.2	10.3	4.0	2.4	.4	.2			100.0	10.9	10.0	

TOTAL NUMBER OF OBSERVATIONS: 19109

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
(N) 350-010	.9	2.6	2.5	.9	.3	.1						.0	.0	7.3	10.0	10.0
020-040	1.1	4.4	5.5	5.2	4.6	1.2	.2						22.2	14.1	15.0	
050-070	1.0	3.4	4.9	3.5	4.0	1.3	.6	.1					18.8	14.0	15.0	
(E) 080-100	1.0	2.1	1.4	1.0	.8	.3	.1	.0	.0				6.9	11.7	10.0	
110-130	.8	1.1	.3	.1	.1	.0	.0						2.5	7.2	6.0	
140-160	.6	1.1	.5	.1	.1	.0	.0	.0					2.6	8.2	6.0	
(S) 170-190	.7	1.3	1.2	.8	.7	.3	.1						5.2	12.4	10.0	
200-220	.7	1.7	1.8	1.2	1.1	.2	.2	.0	.0	.0			7.0	13.4	12.0	
230-250	.7	1.8	2.0	.8	1.0	.2	.2						6.7	12.0	10.0	
(W) 260-280	.5	2.0	1.9	.6	.5	.1	.0	.0					5.7	11.0	10.0	
290-310	.5	1.5	1.4	.3	.2		.0	.0					3.9	9.3	8.0	
320-340	.5	1.7	1.1	.3	.1	.0							3.7	8.6	8.0	
VARIABLE																
CALM	/	/	/	/	/	/	/	/	/	/	/	7.6	/	/	/	
TOTALS	9.0	24.7	24.5	14.8	13.5	3.7	1.4	.1				100.0	11.5	10.0		

TOTAL NUMBER OF OBSERVATIONS: 5461

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTTT	DDDDDDDD
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).
CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION
OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--
"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES
(METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE
TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO
DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING
AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION.
TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE
CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY).
TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS).
DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING
THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY
COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE
MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER
THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE
OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT
AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY
OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES
POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE
SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....	CLEAR
1/8 THRU 4/8.....	SCATTERED
5/8 THRU 7/8.....	BROKEN
8/8.....	OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.8	39.8	42.0	42.0	43.3	43.3	47.0	47.3	47.3	48.5	49.3	49.8	52.3	52.5	53.5	55.0
GE 20000	14.8	40.0	42.3	42.3	43.5	43.5	47.5	47.8	47.8	49.0	49.8	50.3	52.8	53.0	54.0	55.5
GE 18000	14.8	40.0	42.3	42.3	43.5	43.5	47.5	47.8	47.8	49.0	49.8	50.3	52.8	53.0	54.0	55.5
GE 16000	14.8	40.0	42.3	42.3	43.5	43.5	47.5	47.8	47.8	49.0	49.8	50.3	52.8	53.0	54.0	55.5
GE 14000	14.8	40.0	42.3	42.3	43.5	43.5	47.5	47.8	47.8	49.0	49.8	50.3	52.8	53.0	54.0	55.5
GE 12000	14.8	40.5	42.8	42.8	44.0	44.0	48.0	48.3	48.3	49.5	50.3	50.8	53.3	53.5	54.5	56.0
GE 10000	15.0	42.3	44.5	44.5	45.8	45.8	49.8	50.0	50.0	51.3	52.0	52.5	55.0	55.3	56.3	57.8
GE 9000	15.0	42.3	44.5	44.5	45.8	45.8	49.8	50.0	50.0	51.3	52.0	52.5	55.0	55.3	56.3	57.8
GE 8000	15.0	43.0	45.3	45.3	46.5	46.5	50.5	50.8	50.8	52.0	53.0	53.5	56.0	56.3	57.3	58.8
GE 7000	15.3	45.0	47.8	47.8	49.0	49.0	53.0	53.3	53.3	54.5	55.5	56.0	58.5	58.8	59.8	61.3
GE 6000	15.3	45.5	48.3	48.3	49.8	49.8	53.8	54.0	54.0	55.3	56.3	56.8	59.3	59.5	60.5	62.0
GE 5000	15.5	47.0	50.0	50.0	51.5	51.5	55.8	56.0	56.0	57.3	58.3	58.8	61.3	61.5	62.5	64.0
GE 4500	15.5	47.0	50.0	50.0	51.5	51.5	55.8	56.0	56.0	57.3	58.3	58.8	61.3	61.5	62.5	64.0
GE 4000	15.8	48.5	51.5	51.5	53.0	53.0	57.5	57.8	57.8	59.0	60.0	60.5	63.0	63.3	64.3	65.8
GE 3500	15.8	48.5	51.5	51.5	53.0	53.0	57.5	57.8	57.8	59.0	60.0	60.5	63.0	63.3	64.3	65.8
GE 3000	15.8	48.8	52.0	52.0	53.5	53.5	58.0	58.3	58.3	59.5	60.5	61.0	63.5	63.8	64.8	66.5
GE 2500	16.8	51.0	54.3	54.3	55.8	55.8	60.3	60.5	60.5	61.8	62.8	63.3	65.8	66.0	67.0	68.8
GE 2000	17.0	53.0	57.0	57.0	58.5	58.5	63.0	63.5	63.5	64.8	66.0	66.5	69.0	69.8	70.8	72.5
GE 1800	17.0	53.0	57.0	57.0	58.5	58.5	63.0	63.5	63.5	64.8	66.0	66.5	69.0	69.8	70.8	72.5
GE 1500	17.0	54.3	58.3	58.3	60.3	60.3	64.8	65.3	65.3	66.5	67.8	68.3	70.8	71.5	72.5	74.3
GE 1200	18.0	59.3	64.3	64.3	68.5	68.5	73.8	74.3	74.3	76.0	77.3	77.8	80.3	81.0	82.0	83.8
GE 1000	18.8	63.8	69.0	69.0	74.3	74.3	80.8	81.3	81.3	83.5	85.0	85.5	88.3	89.0	91.0	93.0
GE 900	18.8	63.8	69.0	69.0	74.3	74.3	80.8	81.3	81.3	83.5	85.0	85.5	88.3	89.0	91.0	93.0
GE 800	18.8	64.0	69.3	69.3	74.5	74.5	81.0	81.5	81.5	83.8	85.3	85.8	88.5	89.3	91.3	93.3
GE 700	18.8	64.0	69.3	69.3	74.8	74.8	81.3	81.8	81.8	84.0	85.5	86.0	88.8	89.5	91.5	93.5
GE 600	18.8	64.0	69.3	69.3	74.8	74.8	81.3	81.8	81.8	84.0	85.5	86.0	88.8	89.5	91.8	93.8
GE 500	18.8	64.0	69.3	69.3	74.8	74.8	81.3	81.8	81.8	84.0	85.5	86.0	88.8	89.5	91.8	94.0
GE 400	19.0	64.3	69.5	69.5	75.0	75.0	81.5	82.3	82.3	84.5	86.0	86.5	89.5	90.3	92.5	95.0
GE 300	19.0	64.3	69.5	69.5	75.0	75.0	81.5	82.3	82.3	84.5	86.0	86.5	89.8	90.5	92.8	95.3
GE 200	19.0	64.3	69.5	69.5	75.0	75.0	81.5	82.3	82.3	84.5	86.0	86.5	90.8	91.5	93.8	96.5
GE 100	19.0	64.3	69.5	69.5	75.0	75.0	81.5	82.3	82.3	84.5	86.0	86.5	90.8	91.5	94.8	99.8
GE 000	19.0	64.3	69.5	69.5	75.0	75.0	81.5	82.3	82.3	84.5	86.0	86.5	90.8	91.5	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 400

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OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.7	41.8	42.0	42.0	44.8	44.8	46.4	46.4	46.4	48.7	49.0	49.0	50.8	51.8	52.3	52.8
GE 20000	14.7	41.8	42.0	42.0	44.8	44.8	46.4	46.4	46.4	48.7	49.0	49.0	50.8	51.8	52.3	52.8
GE 18000	14.7	42.0	42.3	42.3	45.1	45.1	46.6	46.6	46.6	49.0	49.2	49.2	51.0	52.1	52.6	53.1
GE 16000	14.7	42.0	42.3	42.3	45.1	45.1	46.6	46.6	46.6	49.0	49.2	49.2	51.0	52.1	52.6	53.1
GE 14000	14.7	42.0	42.3	42.3	45.1	45.1	46.6	46.6	46.6	49.0	49.2	49.2	51.0	52.1	52.6	53.1
GE 12000	14.7	42.5	42.8	42.8	45.6	45.6	47.2	47.2	47.2	49.5	49.7	49.7	51.5	52.6	53.1	53.6
GE 10000	15.2	43.8	44.1	44.1	46.9	46.9	48.5	48.5	48.5	50.8	51.0	51.0	52.8	53.9	54.4	54.9
GE 9000	15.2	44.1	44.3	44.3	47.2	47.2	48.7	48.7	48.7	51.0	51.3	51.3	53.1	54.1	54.6	55.2
GE 8000	15.2	44.6	44.8	44.8	47.7	47.7	49.2	49.2	49.2	51.5	51.8	51.8	53.6	54.6	55.2	55.7
GE 7000	15.7	46.9	47.2	47.2	50.3	50.3	51.8	51.8	51.8	54.4	54.6	54.6	56.4	57.5	58.0	58.5
GE 6000	15.7	46.9	47.2	47.2	50.3	50.3	51.8	52.1	52.1	54.6	54.9	54.9	56.7	57.7	58.2	58.8
GE 5000	16.5	49.2	49.5	49.5	52.6	52.6	54.1	54.6	54.6	57.2	57.5	57.5	59.3	60.3	60.8	61.3
GE 4500	16.5	49.2	49.5	49.5	52.6	52.6	54.1	54.6	54.6	57.2	57.5	57.5	59.3	60.3	60.8	61.3
GE 4000	16.5	50.0	50.3	50.3	53.4	53.4	54.9	55.4	55.4	58.0	58.2	58.2	60.1	61.1	61.6	62.1
GE 3500	16.5	50.3	50.5	50.5	53.6	53.6	55.2	55.7	55.7	58.2	58.5	58.5	60.3	61.3	61.9	62.4
GE 3000	16.5	50.8	51.0	51.0	54.4	54.4	55.9	56.4	56.4	59.0	59.3	59.3	61.1	62.1	62.6	63.1
GE 2500	17.3	53.6	53.9	53.9	57.2	57.2	58.8	59.3	59.3	61.9	62.1	62.1	63.9	64.9	65.5	66.0
GE 2000	17.8	56.4	56.7	56.7	60.1	60.1	61.6	62.4	62.4	64.9	65.2	65.2	67.8	68.8	69.3	69.8
GE 1800	17.8	56.4	56.7	56.7	60.1	60.1	61.6	62.4	62.4	64.9	65.2	65.2	67.8	68.8	69.3	69.8
GE 1500	17.8	58.5	58.8	58.8	62.1	62.1	63.7	64.4	64.4	67.0	67.3	67.3	69.8	70.9	71.4	71.9
GE 1200	19.6	64.4	65.7	65.7	70.6	70.6	73.7	74.5	74.5	77.1	77.1	77.3	80.2	81.2	81.7	82.2
GE 1000	20.6	68.8	71.4	71.4	77.1	77.1	80.4	81.7	81.7	84.3	84.5	84.5	87.6	88.7	89.9	90.7
GE 900	20.6	68.8	71.4	71.4	77.1	77.1	80.4	81.7	81.7	84.3	84.5	84.5	87.6	88.7	89.9	90.7
GE 800	20.6	68.8	71.6	71.6	77.3	77.3	80.7	82.0	82.0	84.5	84.8	84.8	87.9	88.9	90.2	91.0
GE 700	20.6	68.8	71.6	71.6	77.3	77.3	80.9	82.2	82.2	85.1	85.3	85.3	88.4	89.4	90.7	91.5
GE 600	20.6	68.8	71.6	71.6	77.3	77.3	80.9	82.2	82.2	85.1	85.3	85.3	88.4	89.4	90.7	92.0
GE 500	20.6	68.8	71.6	71.6	77.3	77.3	80.9	82.2	82.2	85.1	85.3	85.3	88.4	89.4	90.7	92.3
GE 400	20.6	68.8	71.6	71.6	77.3	77.3	80.9	82.2	82.2	85.1	85.3	85.3	88.4	89.4	90.7	92.3
GE 300	20.6	68.8	71.6	71.6	77.3	77.3	80.9	82.2	82.2	85.1	85.3	85.3	88.7	89.7	91.0	92.5
GE 200	20.6	68.8	71.6	71.6	77.3	77.3	80.9	82.2	82.2	85.1	85.3	85.3	89.7	91.0	92.3	94.6
GE 100	20.6	68.8	71.6	71.6	77.3	77.3	80.9	82.2	82.2	85.1	85.3	85.3	89.9	91.2	94.1	99.5
GE 000	20.6	68.8	71.6	71.6	77.3	77.3	80.9	82.2	82.2	85.1	85.3	85.3	89.9	91.2	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 388

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.4	37.2	38.3	38.3	40.7	40.7	41.8	41.8	41.8	43.9	44.1	44.1	46.3	46.5	47.9	49.7
GE 20000	14.4	38.0	39.1	39.1	41.5	41.5	42.6	42.6	42.6	44.7	44.9	44.9	47.1	47.3	48.7	50.5
GE 18000	14.4	38.0	39.1	39.1	41.5	41.5	42.6	42.6	42.6	44.7	44.9	44.9	47.1	47.3	48.7	50.5
GE 16000	14.4	38.8	39.9	39.9	42.3	42.3	43.4	43.4	43.4	45.5	45.7	45.7	47.9	48.1	49.5	51.3
GE 14000	14.4	39.4	40.4	40.4	42.8	42.8	43.9	43.9	43.9	46.3	46.5	46.5	48.7	48.9	50.3	52.1
GE 12000	14.4	39.4	40.4	40.4	42.8	42.8	43.9	43.9	43.9	46.3	46.5	46.5	48.7	48.9	50.3	52.1
GE 10000	14.9	41.8	42.8	42.8	45.2	45.2	46.3	46.3	46.3	48.7	49.2	49.2	51.6	52.1	53.5	55.3
GE 9000	14.9	41.8	42.8	42.8	45.2	45.2	46.3	46.3	46.3	48.7	49.2	49.2	51.6	52.1	53.5	55.3
GE 8000	14.9	42.3	43.4	43.4	45.7	45.7	46.8	46.8	46.8	49.2	49.7	49.7	52.4	52.9	54.5	56.4
GE 7000	14.9	43.1	44.1	44.1	46.8	46.8	48.1	48.1	48.1	50.5	51.1	51.1	54.0	54.5	56.1	58.0
GE 6000	14.9	43.4	44.7	44.7	47.9	47.9	49.2	49.2	49.2	51.6	52.1	52.1	55.1	55.6	57.4	59.3
GE 5000	15.2	44.7	46.0	46.0	49.5	49.5	51.1	51.1	51.1	53.5	54.0	54.0	57.2	57.7	59.6	62.0
GE 4500	15.2	44.9	46.3	46.3	49.7	49.7	51.3	51.3	51.3	53.7	54.3	54.3	57.4	58.0	59.8	62.2
GE 4000	15.7	45.7	47.1	47.1	50.5	50.5	52.1	52.1	52.1	54.5	55.1	55.1	58.2	58.8	60.6	63.0
GE 3500	15.7	45.7	47.1	47.1	50.5	50.5	52.1	52.1	52.1	54.5	55.1	55.1	58.2	58.8	60.6	63.0
GE 3000	15.7	46.0	47.3	47.3	50.8	50.8	52.7	52.7	52.7	55.1	55.6	55.6	58.8	59.3	61.2	63.6
GE 2500	17.6	49.5	50.8	50.8	54.5	54.5	56.6	56.6	56.6	59.0	59.6	59.6	62.8	63.3	65.2	67.6
GE 2000	17.8	51.6	53.2	53.2	57.4	57.4	59.8	59.8	59.8	62.2	63.0	63.0	66.5	67.0	68.9	71.3
GE 1800	17.8	51.6	53.2	53.2	57.4	57.4	59.8	59.8	59.8	62.2	63.0	63.0	66.5	67.0	68.9	71.3
GE 1500	17.8	52.1	54.0	54.0	58.5	58.5	60.9	60.9	60.9	63.3	64.1	64.1	67.8	68.4	70.2	72.6
GE 1200	19.4	55.1	57.7	57.7	63.3	63.3	66.5	66.8	66.8	70.5	71.3	71.3	75.3	75.8	78.2	80.6
GE 1000	20.2	58.2	61.7	61.7	68.1	68.1	71.3	71.5	71.5	76.6	77.4	77.4	81.6	82.2	85.4	88.3
GE 900	20.2	58.2	61.7	61.7	68.1	68.1	71.3	71.5	71.5	76.6	77.4	77.4	81.6	82.2	85.4	88.3
GE 800	20.2	58.2	61.7	61.7	68.1	68.1	71.8	72.1	72.1	77.4	78.2	78.2	82.4	83.0	86.2	89.1
GE 700	20.2	58.2	61.7	61.7	68.4	68.4	72.3	72.6	72.6	77.9	79.0	79.0	83.2	83.8	87.0	89.9
GE 600	20.2	58.2	61.7	61.7	68.4	68.4	72.3	72.6	72.6	77.9	79.0	79.0	83.2	83.8	87.0	89.9
GE 500	20.2	58.2	61.7	61.7	68.4	68.4	72.3	72.6	72.6	77.9	79.0	79.0	83.2	83.8	87.0	89.9
GE 400	20.2	59.0	62.5	62.5	69.1	69.1	73.1	73.7	73.7	79.8	80.9	80.9	85.1	85.6	88.8	91.8
GE 300	20.2	59.0	62.5	62.5	69.1	69.1	73.1	73.7	73.7	79.8	80.9	80.9	85.1	85.6	88.8	91.8
GE 200	20.2	59.0	62.5	62.5	69.1	69.1	73.1	73.7	73.7	79.8	80.9	80.9	85.9	86.4	89.9	93.6
GE 100	20.2	59.0	62.5	62.5	69.1	69.1	73.1	73.7	73.7	79.8	80.9	80.9	85.9	86.4	90.4	98.7
GE 000	20.2	59.0	62.5	62.5	69.1	69.1	73.1	73.7	73.9	79.8	80.9	80.9	85.9	86.4	90.4	100.0

TOTAL NUMBER OF OBSERVATIONS 376

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OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	15.8	42.9	43.9	43.9	45.9	45.9	47.9	47.9	47.9	50.6	51.1	51.1	54.4	54.6	56.1	56.9	
GE 20000	15.8	43.4	44.4	44.4	46.4	46.4	48.4	48.4	48.4	51.4	51.9	51.9	55.1	55.4	56.9	57.6	
GE 18000	15.8	43.4	44.4	44.4	46.4	46.4	48.4	48.4	48.4	51.4	51.9	51.9	55.1	55.4	56.9	57.6	
GE 16000	15.8	43.4	44.4	44.4	46.4	46.4	48.4	48.4	48.4	51.4	51.9	51.9	55.1	55.4	56.9	57.6	
GE 14000	15.8	43.4	44.4	44.4	46.4	46.4	48.4	48.4	48.4	51.4	51.9	51.9	55.1	55.4	56.9	57.6	
GE 12000	15.8	43.6	44.6	44.6	46.6	46.6	48.6	48.6	48.6	51.6	52.1	52.1	55.4	55.6	57.1	57.9	
GE 10000	15.8	45.6	46.6	46.6	48.6	48.6	50.6	50.6	50.6	53.6	54.1	54.1	57.4	57.6	59.1	59.9	
GE 9000	15.8	45.6	46.6	46.6	48.6	48.6	50.6	50.6	50.6	53.6	54.1	54.1	57.4	57.6	59.1	59.9	
GE 8000	15.8	46.1	47.1	47.1	49.1	49.4	51.4	51.4	51.4	54.4	54.9	54.9	58.1	58.4	59.9	60.7	
GE 7000	16.3	49.1	50.1	50.1	52.4	52.6	54.6	54.6	54.6	57.6	58.1	58.1	61.7	61.9	63.4	64.2	
GE 6000	16.3	49.6	50.6	50.6	52.9	53.1	55.1	55.1	55.1	58.4	58.9	58.9	62.7	62.9	64.4	65.2	
GE 5000	16.5	51.6	52.6	52.6	54.9	55.1	57.1	57.4	57.4	60.7	61.2	61.2	64.9	65.2	66.7	67.4	
GE 4500	16.5	51.6	52.6	52.6	54.9	55.1	57.1	57.4	57.4	60.7	61.2	61.2	64.9	65.2	66.7	67.4	
GE 4000	17.0	53.1	54.1	54.1	56.4	56.6	58.6	58.9	58.9	62.2	62.7	62.7	66.4	66.7	68.2	68.9	
GE 3500	17.0	53.1	54.1	54.1	56.6	56.9	58.9	59.1	59.1	62.4	62.9	62.9	66.7	66.9	68.4	69.2	
GE 3000	17.0	53.4	54.4	54.4	57.1	57.4	59.4	59.6	59.6	62.9	63.4	63.4	67.2	67.4	68.9	69.7	
GE 2500	18.0	57.1	58.1	58.1	60.9	61.2	63.2	63.4	63.4	66.7	67.2	67.2	71.2	71.4	72.9	73.7	
GE 2000	18.3	58.4	59.9	59.9	62.9	63.2	65.2	65.4	65.4	68.7	69.4	69.4	73.4	73.7	75.2	75.9	
GE 1800	18.3	58.4	59.9	59.9	62.9	63.2	65.2	65.4	65.4	68.7	69.4	69.4	73.4	73.7	75.2	75.9	
GE 1500	18.3	59.1	61.2	61.2	64.2	64.4	66.4	66.7	66.7	70.2	70.9	70.9	74.9	75.2	76.7	77.4	
GE 1200	19.8	64.2	67.4	67.4	71.4	71.7	73.7	73.9	73.9	77.9	78.7	78.7	83.0	83.2	85.0	85.7	
GE 1000	20.3	67.4	70.9	70.9	75.9	76.2	78.9	79.2	79.2	84.7	85.5	85.7	90.0	90.2	93.0	93.7	
GE 900	20.3	67.4	70.9	70.9	75.9	76.2	78.9	79.2	79.2	84.7	85.5	85.7	90.0	90.2	93.0	93.7	
GE 800	20.3	67.4	70.9	70.9	76.2	76.4	79.2	79.4	79.4	85.0	85.7	86.0	90.2	90.5	93.2	94.0	
GE 700	20.6	67.7	71.2	71.2	76.7	76.9	80.2	80.5	80.5	86.0	86.7	87.0	91.2	91.5	94.2	95.0	
GE 600	20.6	67.7	71.2	71.2	76.7	76.9	80.2	80.5	80.5	86.0	86.7	87.0	91.5	91.7	94.5	95.2	
GE 500	20.6	67.7	71.2	71.2	76.7	76.9	80.2	80.5	80.5	86.2	87.0	87.2	91.7	92.0	94.7	95.7	
GE 400	20.8	68.2	71.7	71.7	77.2	77.4	80.7	81.0	81.0	86.7	87.5	87.7	92.2	92.5	95.2	96.2	
GE 300	20.8	68.2	71.7	71.7	77.2	77.4	80.7	81.0	81.0	86.7	87.5	87.7	92.2	92.5	95.2	96.2	
GE 200	20.8	68.2	71.7	71.7	77.2	77.4	80.7	81.0	81.0	86.7	87.5	87.7	92.7	93.0	95.7	97.5	
GE 100	20.8	68.2	71.7	71.7	77.2	77.4	80.7	81.0	81.0	86.7	87.5	87.7	92.7	93.0	96.5	99.2	
GE 000	20.8	68.2	71.7	71.7	77.2	77.4	80.7	81.0	81.0	86.7	87.5	87.7	92.7	93.0	96.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 399

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	14.9	40.4	41.6	41.6	43.7	43.7	45.8	45.9	45.9	48.0	48.4	48.6	51.0	51.4	52.5	53.7	
GE 20000	14.9	40.8	42.0	42.0	44.1	44.1	46.3	46.3	46.3	48.5	48.9	49.1	51.5	52.0	53.0	54.2	
GE 18000	14.9	40.9	42.0	42.0	44.1	44.1	46.3	46.4	46.4	48.6	49.0	49.1	51.6	52.0	53.1	54.3	
GE 16000	14.9	41.1	42.2	42.2	44.3	44.3	46.5	46.6	46.6	48.8	49.2	49.3	51.8	52.2	53.3	54.4	
GE 14000	14.9	41.2	42.4	42.4	44.5	44.5	46.6	46.7	46.7	48.9	49.4	49.5	52.0	52.4	53.5	54.6	
GE 12000	14.9	41.5	42.7	42.7	44.8	44.8	47.0	47.0	47.0	49.3	49.7	49.8	52.3	52.7	53.8	55.0	
GE 10000	15.2	43.4	44.5	44.5	46.6	46.6	48.8	48.9	48.9	51.1	51.6	51.8	54.3	54.8	55.9	57.0	
GE 9000	15.2	43.4	44.6	44.6	46.7	46.7	48.9	48.9	48.9	51.2	51.7	51.8	54.3	54.8	55.9	57.1	
GE 8000	15.2	44.0	45.2	45.2	47.3	47.3	49.5	49.6	49.6	51.8	52.4	52.5	55.1	55.6	56.7	57.9	
GE 7000	15.5	46.1	47.3	47.3	49.6	49.7	52.0	52.0	52.0	54.3	54.9	55.0	57.7	58.2	59.4	60.5	
GE 6000	15.5	46.4	47.7	47.7	50.2	50.3	52.5	52.7	52.7	55.0	55.6	55.7	58.5	59.0	60.2	61.4	
GE 5000	15.9	48.2	49.6	49.6	52.1	52.2	54.6	54.8	54.8	57.2	57.8	57.9	60.7	61.2	62.4	63.7	
GE 4500	15.9	48.2	49.6	49.6	52.2	52.3	54.6	54.9	54.9	57.3	57.8	58.0	60.8	61.3	62.5	63.8	
GE 4000	16.3	49.4	50.8	50.8	53.4	53.4	55.9	56.1	56.1	58.5	59.1	59.2	62.0	62.5	63.7	65.0	
GE 3500	16.3	49.5	50.9	50.9	53.5	53.6	56.0	56.2	56.2	58.6	59.2	59.3	62.1	62.6	63.9	65.1	
GE 3000	16.3	49.8	51.2	51.2	54.0	54.1	56.6	56.8	56.8	59.2	59.8	59.9	62.7	63.2	64.4	65.8	
GE 2500	17.4	52.8	54.3	54.3	57.1	57.2	59.8	60.0	60.0	62.4	63.0	63.1	66.0	66.5	67.7	69.0	
GF 2000	17.7	54.9	56.7	56.7	59.8	59.8	62.4	62.8	62.8	65.2	66.0	66.1	69.2	69.9	71.1	72.4	
GE 1800	17.7	54.9	56.7	56.7	59.8	59.8	62.4	62.8	62.8	65.2	66.0	66.1	69.2	69.9	71.1	72.4	
GE 1500	17.7	56.0	58.1	58.1	61.3	61.4	64.0	64.4	64.4	66.8	67.6	67.7	70.9	71.5	72.7	74.1	
GE 1200	19.2	60.8	63.9	63.9	68.5	68.6	72.0	72.4	72.4	75.4	76.2	76.3	79.7	80.4	81.8	83.1	
GE 1000	20.0	64.6	68.3	68.3	73.9	74.0	77.9	78.5	78.5	82.3	83.2	83.4	86.9	87.6	89.9	91.5	
GE 900	20.0	64.6	68.3	68.3	73.9	74.0	77.9	78.5	78.5	82.3	83.2	83.4	86.9	87.6	89.9	91.5	
GE 800	20.0	64.7	68.5	68.5	74.1	74.2	78.2	78.8	78.8	82.7	83.6	83.7	87.3	88.0	90.3	91.9	
GE 700	20.0	64.7	68.5	68.5	74.3	74.4	78.8	79.3	79.3	83.3	84.2	84.4	88.0	88.6	90.9	92.5	
GE 600	20.0	64.7	68.5	68.5	74.3	74.4	78.8	79.3	79.3	83.3	84.2	84.4	88.0	88.7	91.0	92.8	
GE 500	20.0	64.7	68.5	68.5	74.3	74.4	78.8	79.3	79.3	83.4	84.3	84.5	88.1	88.7	91.1	93.0	
GE 400	20.2	65.1	68.9	68.9	74.7	74.8	79.1	79.8	79.9	84.1	85.0	85.2	88.9	89.5	91.9	93.9	
GE 100	20.2	65.1	68.9	68.9	74.7	74.8	79.1	79.8	79.9	84.1	85.0	85.2	89.0	89.6	92.0	94.0	
GE 200	20.2	65.1	68.9	68.9	74.7	74.8	79.1	79.8	79.9	84.1	85.0	85.2	89.8	90.5	93.0	95.6	
GE 100	20.2	65.1	68.9	68.9	74.7	74.8	79.1	79.8	79.9	84.1	85.0	85.2	89.9	90.6	94.0	99.3	
GE 000	20.2	65.1	68.9	68.9	74.7	74.8	79.1	79.8	79.9	84.1	85.0	85.2	89.9	90.6	94.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 1561

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.4	52.1	53.3	53.3	54.2	54.2	55.4	55.4	55.4	56.3	56.6	56.9	58.1	58.4	59.3	60.5
GE 20000	15.4	52.7	53.9	53.9	54.8	54.8	56.0	56.0	56.0	56.9	57.2	57.5	58.7	59.0	59.9	61.1
GE 18000	15.4	52.7	53.9	53.9	54.8	54.8	56.0	56.0	56.0	56.9	57.2	57.5	58.7	59.0	59.9	61.1
GE 16000	15.4	52.7	53.9	53.9	54.8	54.8	56.0	56.0	56.0	56.9	57.2	57.5	58.7	59.0	59.9	61.1
GE 14000	15.4	53.0	54.2	54.2	55.1	55.1	56.3	56.3	56.3	57.2	57.5	57.8	59.0	59.3	60.2	61.4
GE 12000	15.4	53.0	54.2	54.2	55.1	55.1	56.3	56.3	56.3	57.2	57.5	57.8	59.0	59.3	60.2	61.4
GE 10000	15.4	54.5	56.0	56.0	56.9	56.9	58.1	58.1	58.1	59.0	59.3	59.6	60.8	61.1	62.0	63.3
GE 9000	15.4	54.5	56.0	56.0	56.9	56.9	58.1	58.1	58.1	59.0	59.3	59.6	60.8	61.1	62.0	63.3
GE 8000	15.4	54.8	56.3	56.3	57.2	57.2	58.4	58.4	58.4	59.3	59.6	59.9	61.1	61.4	62.3	63.6
GE 7000	15.4	55.4	56.9	56.9	58.1	58.1	59.3	59.3	59.3	60.2	60.5	60.8	62.0	62.3	63.3	64.5
GE 6000	15.4	55.4	57.2	57.2	58.4	58.4	59.6	59.6	59.6	60.5	60.8	61.1	62.3	62.7	63.6	64.8
GE 5000	16.3	56.9	58.7	58.7	59.9	59.9	61.1	61.1	61.1	62.3	62.7	63.0	64.2	64.5	65.4	66.6
GE 4500	16.3	56.9	58.7	58.7	59.9	59.9	61.1	61.1	61.1	62.3	62.7	63.0	64.2	64.5	65.4	66.6
GE 4000	16.6	57.8	59.6	59.6	60.8	60.8	62.0	62.0	62.0	63.3	63.6	63.9	65.1	65.4	66.3	67.5
GE 3500	16.6	57.8	59.6	59.6	60.8	60.8	62.0	62.0	62.0	63.3	63.6	63.9	65.1	65.4	66.3	67.5
GE 3000	16.6	59.0	60.8	60.8	62.0	62.0	63.3	63.3	63.3	64.5	64.8	65.1	66.3	66.6	67.5	68.7
GE 2500	17.8	62.0	63.9	63.9	65.4	65.4	66.9	66.9	66.9	68.1	68.4	68.7	69.9	70.2	71.1	72.3
GE 2000	17.8	66.0	68.1	68.1	69.6	69.6	71.1	71.1	71.1	72.3	72.6	72.9	74.1	74.4	75.3	76.5
GE 1800	17.8	66.0	68.1	68.1	69.6	69.6	71.1	71.1	71.1	72.3	72.6	72.9	74.1	74.4	75.3	76.5
GE 1500	18.1	66.6	68.7	68.7	70.2	70.2	71.7	71.7	71.7	72.9	73.2	73.5	74.7	75.3	76.2	77.4
GE 1200	20.2	70.8	73.8	73.8	75.6	75.6	77.1	77.1	77.1	78.6	78.9	79.2	81.0	81.6	82.8	84.0
GE 1000	21.4	77.1	80.7	80.7	83.4	83.4	84.9	84.9	84.9	86.4	86.7	87.0	89.2	89.8	91.3	92.5
GE 900	21.4	77.1	80.7	80.7	83.4	83.4	84.9	84.9	84.9	86.4	86.7	87.0	89.2	89.8	91.3	92.5
GE 800	21.4	77.1	80.7	80.7	83.7	83.7	85.2	85.2	85.2	86.7	87.0	87.3	89.5	90.1	91.6	92.8
GE 700	21.4	77.1	80.7	80.7	83.7	83.7	85.2	85.2	85.2	86.7	87.0	87.3	89.5	90.1	91.6	92.8
GE 600	21.4	77.1	80.7	80.7	83.7	83.7	85.5	85.5	85.5	87.3	87.7	88.0	90.1	90.7	92.2	93.4
GE 500	21.4	77.1	80.7	80.7	83.7	83.7	85.5	85.5	85.5	87.3	87.7	88.0	90.7	91.3	93.1	94.3
GE 400	22.0	78.0	81.6	81.6	84.6	84.6	86.4	86.4	86.4	88.6	88.9	89.2	92.2	92.8	94.6	95.8
GE 300	22.0	78.0	81.6	81.6	84.6	84.6	86.4	86.4	86.4	88.6	88.9	89.2	92.2	92.8	94.6	95.8
GE 200	22.0	78.0	81.6	81.6	84.6	84.6	86.4	86.4	86.4	88.6	88.9	89.2	93.1	93.7	95.5	96.7
GE 100	22.0	78.0	81.6	81.6	84.6	84.6	86.4	86.4	86.4	88.6	88.9	89.2	93.1	93.7	97.0	99.7
GE 000	22.0	78.0	81.6	81.6	84.6	84.6	86.4	86.4	86.4	88.6	88.9	89.2	93.1	93.7	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 332

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	18.4	48.8	50.3	50.3	52.8	52.8	54.7	55.3	55.3	57.2	57.2	57.2	58.1	58.1	59.1	59.4	
GE 20000	18.4	49.4	50.9	50.9	53.4	53.4	55.3	55.9	55.9	57.8	57.8	57.8	58.8	58.8	59.7	60.0	
GE 18000	18.4	49.4	50.9	50.9	53.4	53.4	55.3	55.9	55.9	57.8	57.8	57.8	58.8	58.8	59.7	60.0	
GE 16000	18.4	49.4	50.9	50.9	53.4	53.4	55.3	55.9	55.9	57.8	57.8	57.8	58.8	58.8	59.7	60.0	
GE 14000	18.4	49.4	50.9	50.9	53.4	53.4	55.3	55.9	55.9	57.8	57.8	57.8	58.8	58.8	59.7	60.0	
GE 12000	18.4	49.4	50.9	50.9	53.4	53.4	55.3	55.9	55.9	57.8	57.8	57.8	58.8	58.8	59.7	60.0	
GE 10000	18.4	50.0	51.6	51.6	54.1	54.1	55.9	56.6	56.6	58.4	58.4	58.4	59.4	59.4	60.3	60.6	
GE 9000	18.4	50.0	51.6	51.6	54.1	54.1	55.9	56.6	56.6	58.4	58.4	58.4	59.4	59.4	60.3	60.6	
GE 8000	18.4	50.9	52.5	52.5	55.0	55.0	56.9	57.5	57.5	59.4	59.4	59.4	60.3	60.3	61.3	61.6	
GE 7000	18.8	52.5	54.1	54.1	56.6	56.6	58.4	59.1	59.1	61.3	61.3	61.3	62.2	62.2	63.1	63.4	
GE 6000	18.8	52.8	54.4	54.4	57.2	57.2	59.1	59.7	59.7	61.9	61.9	61.9	62.8	62.8	63.8	64.1	
GE 5000	19.1	54.4	55.9	55.9	59.1	59.1	60.9	61.6	61.6	63.8	63.8	63.8	64.7	64.7	65.6	65.9	
GE 4500	19.1	54.4	55.9	55.9	59.1	59.1	60.9	61.6	61.6	63.8	63.8	63.8	64.7	64.7	65.6	65.9	
GE 4000	19.4	55.9	57.5	57.5	60.6	60.6	62.5	63.1	63.1	65.3	65.3	65.3	66.3	66.3	67.2	67.5	
GE 3500	19.4	55.9	57.5	57.5	60.6	60.6	62.5	63.1	63.1	65.3	65.3	65.3	66.3	66.3	67.2	67.5	
GE 3000	19.4	57.8	59.4	59.4	62.5	62.5	64.4	65.0	65.0	67.2	67.2	67.2	68.1	68.1	69.1	69.4	
GE 2500	20.6	59.4	61.3	61.3	64.4	64.4	66.3	66.9	66.9	69.1	69.1	69.1	70.0	70.0	70.9	71.3	
GE 2000	20.6	61.3	63.1	63.1	66.6	66.6	68.4	69.1	69.1	71.3	71.3	71.3	72.2	72.2	73.1	73.4	
GE 1800	20.6	61.3	63.1	63.1	66.6	66.6	68.4	69.1	69.1	71.3	71.3	71.3	72.2	72.2	73.1	73.4	
GE 1500	21.3	62.8	65.6	65.6	69.4	69.4	71.3	71.9	71.9	74.1	74.1	74.1	75.0	75.0	75.9	76.3	
GE 1200	23.1	69.1	72.2	72.2	76.3	76.3	78.1	78.8	79.1	81.6	81.6	81.6	83.1	83.1	84.1	84.4	
GE 1000	24.1	72.5	78.1	78.1	83.4	83.4	85.9	86.6	86.9	89.7	90.0	90.0	92.2	92.2	93.1	93.4	
GE 900	24.1	72.5	78.1	78.1	83.8	83.8	86.3	86.9	87.2	90.0	90.3	90.3	92.5	92.5	93.4	93.8	
GE 800	24.1	72.8	78.4	78.4	84.1	84.1	86.9	87.5	87.8	90.6	90.9	90.9	93.1	93.1	94.1	94.4	
GE 700	24.4	73.1	78.8	78.8	84.4	84.4	87.2	87.8	88.1	90.9	91.3	91.3	93.4	93.4	94.4	94.7	
GE 600	24.4	73.1	78.8	78.8	84.4	84.4	87.2	87.8	88.1	90.9	91.3	91.3	93.4	93.4	94.4	94.7	
GE 500	24.4	73.4	79.1	79.1	84.7	84.7	87.5	88.1	88.4	91.3	91.6	91.6	94.1	94.1	95.0	95.3	
GE 400	24.4	73.4	79.1	79.1	84.7	84.7	87.5	88.1	88.4	91.9	92.2	92.2	94.7	94.7	95.6	95.9	
GE 300	24.4	73.4	79.1	79.1	84.7	84.7	87.5	88.1	88.4	91.9	92.2	92.2	94.7	94.7	95.6	95.9	
GE 200	24.4	73.8	79.4	79.4	85.0	85.0	87.8	88.4	88.8	92.2	92.5	92.5	95.0	95.0	95.9	96.3	
GE 100	24.4	74.1	79.7	79.7	85.3	85.3	88.1	88.8	89.1	92.5	92.8	92.8	95.3	95.3	97.2	99.7	
GE 000	24.4	74.1	79.7	79.7	85.3	85.3	88.1	88.8	89.1	92.5	92.8	92.8	95.3	95.3	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 320

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	19.6	45.9	46.8	46.8	48.6	48.6	50.5	51.1	51.1	52.9	52.9	52.9	54.4	54.4	56.9	56.9	58.7	
GE 20000	19.9	47.4	48.3	48.3	50.2	50.2	52.0	52.6	52.6	54.4	54.4	54.4	56.0	56.0	58.4	58.4	60.2	
GE 18000	19.9	47.4	48.3	48.3	50.2	50.2	52.0	52.6	52.6	54.4	54.4	54.4	56.0	56.0	58.4	58.4	60.2	
GE 16000	19.9	47.4	48.6	48.6	50.5	50.5	52.3	52.9	52.9	54.7	54.7	54.7	56.3	56.3	58.7	58.7	60.6	
GE 14000	19.9	47.4	48.6	48.6	50.5	50.5	52.3	52.9	52.9	54.7	54.7	54.7	56.3	56.3	58.7	58.7	60.6	
GE 12000	19.9	47.4	48.6	48.6	50.5	50.5	52.3	52.9	52.9	54.7	54.7	54.7	56.3	56.3	58.7	58.7	60.6	
GE 10000	19.9	48.0	49.2	49.2	51.1	51.1	52.9	53.5	53.5	55.4	55.4	55.4	56.9	56.9	59.3	59.3	61.2	
GE 9000	19.9	48.0	49.2	49.2	51.1	51.1	52.9	53.5	53.5	55.4	55.4	55.4	56.9	56.9	59.3	59.3	61.2	
GE 8000	19.9	48.9	50.2	50.2	52.0	52.0	53.8	54.4	54.4	56.3	56.3	56.3	57.8	57.8	60.2	62.1		
GE 7000	21.1	51.1	52.6	52.6	54.4	54.4	56.3	56.9	56.9	58.7	58.7	58.7	60.2	60.2	62.7	64.5		
GE 6000	21.1	52.3	53.8	53.8	55.7	55.7	57.5	58.1	58.1	59.9	59.9	59.9	61.8	61.8	64.2	66.1		
GE 5000	21.7	53.8	55.4	55.4	57.5	57.5	59.3	59.9	59.9	61.8	61.8	61.8	63.6	63.6	66.1	67.9		
GE 4500	21.7	53.8	55.4	55.4	57.5	57.5	59.3	59.9	59.9	61.8	61.8	61.8	63.6	63.6	66.1	67.9		
GE 4000	22.0	54.4	56.0	56.0	58.1	58.1	59.9	60.6	60.6	62.4	62.4	62.4	64.2	64.2	66.7	68.5		
GE 3500	22.0	54.4	56.0	56.0	58.1	58.1	59.9	60.6	60.6	62.4	62.4	62.4	64.2	64.2	66.7	68.5		
GE 3000	22.3	55.4	57.2	57.2	59.6	59.6	61.5	62.1	62.1	63.9	63.9	63.9	65.7	65.7	68.2	70.0		
GE 2500	23.2	58.7	60.6	60.6	63.0	63.0	64.8	65.4	65.4	67.6	67.6	67.6	69.7	69.7	72.2	74.3		
GE 2000	24.2	61.2	63.3	63.3	65.7	65.7	67.9	68.8	68.8	71.6	71.6	71.6	73.7	73.7	76.1	78.3		
GE 1800	24.2	61.2	63.3	63.3	65.7	65.7	67.9	68.8	68.8	71.6	71.6	71.6	73.7	73.7	76.1	78.3		
GE 1500	24.5	62.4	65.1	65.1	68.2	68.2	70.3	71.3	71.3	74.3	74.3	74.3	76.5	76.5	78.9	81.0		
GE 1200	25.7	65.1	68.2	68.2	71.6	71.6	73.7	74.6	74.6	78.6	78.6	78.6	81.0	81.0	84.1	87.2		
GE 1000	26.0	67.6	70.6	70.6	74.0	74.0	76.8	78.0	78.0	82.6	82.6	83.5	83.5	86.2	86.2	89.6	92.7	
GE 900	26.0	67.6	70.6	70.6	74.0	74.0	76.8	78.0	78.0	82.6	82.6	83.5	83.5	86.2	86.2	89.6	92.7	
GE 800	26.0	67.9	70.9	70.9	74.3	74.3	77.4	78.6	78.6	83.2	84.1	84.1	86.9	86.9	90.2	93.3		
GE 700	26.0	68.2	71.3	71.3	74.6	74.6	77.7	78.9	78.9	83.5	84.4	84.4	87.2	87.2	90.5	93.6		
GE 600	26.0	68.2	71.3	71.3	74.6	74.6	77.7	78.9	78.9	83.5	84.4	84.4	87.2	87.2	90.5	93.6		
GE 500	26.0	68.2	71.3	71.3	74.9	74.9	78.0	79.2	79.2	84.1	85.0	85.0	87.8	87.8	91.1	94.5		
GE 400	26.0	68.2	71.3	71.3	74.9	74.9	78.3	79.5	79.5	84.7	85.6	85.6	88.4	88.4	91.7	95.1		
GE 300	26.0	68.2	71.3	71.3	74.9	74.9	78.3	79.5	79.5	84.7	85.6	85.6	88.4	88.4	91.7	95.1		
GE 200	26.3	68.5	71.6	71.6	75.2	75.2	78.6	79.8	79.8	85.0	85.9	85.9	88.7	88.7	92.7	96.6		
GE 100	26.3	68.5	71.6	71.6	75.2	75.2	78.6	79.8	79.8	85.0	85.9	85.9	89.0	93.0	100.0			
GE 000	26.3	68.5	71.6	71.6	75.2	75.2	78.6	79.8	79.8	85.0	85.9	85.9	88.7	89.0	93.0	100.0		

TOTAL NUMBER OF OBSERVATIONS 327

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OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.0	51.0	51.9	51.9	54.2	54.2	55.1	55.1	55.1	58.8	58.8	58.8	60.9	60.9	61.7	63.8
GE 20000	20.0	51.3	52.2	52.2	54.5	54.5	55.4	55.4	55.4	59.1	59.1	59.1	61.2	61.2	62.0	64.1
GE 18000	20.0	51.3	52.2	52.2	54.5	54.5	55.4	55.4	55.4	59.1	59.1	59.1	61.2	61.2	62.0	64.1
GE 16000	20.0	51.3	52.2	52.2	54.5	54.5	55.4	55.4	55.4	59.1	59.1	59.1	61.2	61.2	62.0	64.1
GE 14000	20.0	51.3	52.2	52.2	54.8	54.8	55.7	55.7	55.7	59.4	59.4	59.4	61.4	61.4	62.3	64.3
GE 12000	20.0	51.3	52.2	52.2	54.8	54.8	55.7	55.7	55.7	59.4	59.4	59.4	61.4	61.4	62.3	64.3
GE 10000	20.3	52.8	53.6	53.6	56.2	56.2	57.1	57.1	57.1	60.9	60.9	60.9	62.9	62.9	63.8	65.8
GE 9000	20.3	53.0	53.9	53.9	56.5	56.5	57.4	57.4	57.4	61.2	61.2	61.2	63.2	63.2	64.1	66.1
GE 8000	20.3	53.0	53.9	53.9	56.5	56.5	57.4	57.4	57.4	61.2	61.2	61.2	63.2	63.2	64.1	66.1
GE 7000	20.3	53.9	54.8	54.8	57.7	57.7	58.6	58.6	58.6	62.3	62.3	62.3	64.3	64.3	65.5	67.5
GE 6000	20.3	53.9	55.1	55.1	58.3	58.3	59.1	59.1	59.1	63.2	63.2	63.2	65.2	65.2	66.4	68.4
GE 5000	21.2	55.7	57.1	57.1	60.6	60.6	61.4	61.4	61.4	65.5	65.5	65.5	67.5	67.5	68.7	70.7
GE 4500	21.2	55.7	57.1	57.1	60.6	60.6	61.4	61.4	61.4	65.5	65.5	65.5	67.5	67.5	68.7	70.7
GE 4000	21.2	56.2	57.7	57.7	61.2	61.2	62.0	62.0	62.0	66.1	66.1	66.1	68.1	68.1	69.3	71.3
GE 3500	21.2	56.2	57.7	57.7	61.2	61.2	62.0	62.0	62.0	66.1	66.1	66.1	68.1	68.1	69.3	71.3
GE 3000	21.2	56.8	58.3	58.3	61.7	61.7	62.6	62.6	62.6	66.7	66.7	66.7	68.7	68.7	69.9	71.9
GE 2500	21.4	59.7	61.4	61.4	64.9	64.9	65.8	65.8	65.8	70.1	70.1	70.1	72.5	72.5	73.6	75.7
GE 2000	21.4	62.0	63.8	63.8	67.2	67.2	68.1	68.1	68.1	72.5	72.5	72.5	74.8	74.8	75.9	78.0
GE 1800	21.4	62.0	63.8	63.8	67.2	67.2	68.1	68.1	68.1	72.5	72.5	72.5	74.8	74.8	75.9	78.0
GE 1500	21.4	62.3	64.1	64.1	67.5	67.5	68.4	68.4	68.4	73.0	73.0	73.0	75.4	75.4	76.5	78.6
GE 1200	22.0	65.5	67.2	67.2	71.3	71.3	72.2	72.2	72.2	77.1	77.1	77.1	80.0	80.0	81.4	83.8
GE 1000	23.2	71.6	73.9	73.9	79.4	79.4	80.9	80.9	80.9	86.1	86.1	86.1	89.3	89.3	90.7	93.0
GE 900	23.2	71.6	74.2	74.2	79.7	79.7	81.2	81.2	81.2	86.4	86.4	86.4	89.6	89.6	91.3	93.6
GE 800	23.2	71.9	74.5	74.5	80.0	80.3	81.7	81.7	81.7	87.0	87.0	87.0	90.1	90.1	91.9	94.2
GE 700	23.2	72.2	74.8	74.8	80.3	80.6	82.0	82.0	82.0	87.2	87.2	87.2	90.4	90.4	92.2	94.5
GE 600	23.2	72.2	74.8	74.8	80.3	80.6	82.0	82.0	82.0	87.2	87.2	87.2	90.4	90.4	92.2	94.5
GE 500	23.2	72.2	74.8	74.8	80.3	80.6	82.0	82.0	82.0	87.2	87.2	87.2	90.4	90.4	92.5	94.8
GE 400	23.8	72.8	75.4	75.4	80.9	81.2	82.9	82.9	82.9	88.1	88.1	88.1	91.6	91.6	93.6	95.9
GE 300	23.8	72.8	75.4	75.4	80.9	81.2	82.9	82.9	82.9	88.1	88.1	88.1	91.6	91.6	93.6	95.9
GE 200	23.8	72.8	75.4	75.4	80.9	81.2	82.9	82.9	82.9	88.1	88.1	88.1	92.2	92.2	94.2	96.5
GE 100	23.8	73.0	75.7	75.7	81.2	81.4	83.2	83.2	83.2	88.4	88.4	88.4	92.5	92.5	95.7	99.7
GE 000	23.8	73.3	75.9	75.9	81.4	81.7	83.5	83.5	83.5	88.7	88.7	88.7	92.8	92.8	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 345

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OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.4	49.5	50.6	50.6	52.5	52.5	53.9	54.2	54.2	56.3	56.4	56.5	57.9	58.0	59.3	60.6
GE 20000	18.4	50.2	51.4	51.4	53.2	53.2	54.7	55.0	55.0	57.1	57.2	57.3	58.7	58.8	60.0	61.4
GE 18000	18.4	50.2	51.4	51.4	53.2	53.2	54.7	55.0	55.0	57.1	57.2	57.3	58.7	58.8	60.0	61.4
GE 16000	18.4	50.2	51.4	51.4	53.3	53.3	54.8	55.1	55.1	57.2	57.3	57.3	58.8	58.8	60.1	61.5
GE 14000	18.4	50.3	51.5	51.5	53.5	53.5	54.9	55.2	55.2	57.3	57.4	57.5	58.9	59.0	60.3	61.6
GE 12000	18.4	50.3	51.5	51.5	53.5	53.5	54.9	55.2	55.2	57.3	57.4	57.5	58.9	59.0	60.3	61.6
GE 10000	18.5	51.4	52.6	52.6	54.6	54.6	56.0	56.3	56.3	58.5	58.5	58.6	60.0	60.1	61.4	62.8
GE 9000	18.5	51.4	52.7	52.7	54.7	54.7	56.1	56.4	56.4	58.5	58.6	58.7	60.1	60.2	61.5	62.8
GE 8000	18.5	52.0	53.2	53.2	55.2	55.2	56.6	56.9	56.9	59.1	59.1	59.2	60.6	60.7	62.0	63.4
GE 7000	18.9	53.2	54.6	54.6	56.7	56.7	58.2	58.5	58.5	60.6	60.7	60.8	62.2	62.3	63.7	65.0
GE 6000	18.9	53.6	55.1	55.1	57.4	57.4	58.8	59.1	59.1	61.4	61.5	61.6	63.1	63.1	64.5	65.9
GE 5000	19.6	55.2	56.8	56.8	59.3	59.3	60.7	61.0	61.0	63.4	63.4	63.5	65.0	65.1	66.5	67.8
GE 4500	19.6	55.2	56.8	56.8	59.3	59.3	60.7	61.0	61.0	63.4	63.4	63.5	65.0	65.1	66.5	67.8
GE 4000	19.8	56.1	57.7	57.7	60.2	60.2	61.6	61.9	61.9	64.3	64.4	64.4	65.9	66.0	67.4	68.7
GE 3500	19.8	56.1	57.7	57.7	60.2	60.2	61.6	61.9	61.9	64.3	64.4	64.4	65.9	66.0	67.4	68.7
GE 3000	19.9	57.3	58.9	58.9	61.5	61.5	62.9	63.2	63.2	65.6	65.6	65.7	67.2	67.3	68.7	70.0
GE 2500	20.8	60.0	61.8	61.8	64.4	64.4	65.9	66.2	66.2	68.7	68.8	68.9	70.5	70.6	72.0	73.4
GE 2000	21.0	62.6	64.6	64.6	67.3	67.3	68.9	69.3	69.3	71.9	72.0	72.1	73.7	73.8	75.2	76.6
GE 1800	21.0	62.6	64.6	64.6	67.3	67.3	68.9	69.3	69.3	71.9	72.0	72.1	73.7	73.8	75.2	76.6
GE 1500	21.3	63.5	65.9	65.9	68.8	68.8	70.4	70.8	70.8	73.6	73.6	73.7	75.4	75.5	76.9	78.3
GE 1200	22.7	67.6	70.3	70.3	73.6	73.6	75.2	75.6	75.7	78.9	79.0	79.1	81.3	81.4	83.1	84.8
GE 1000	23.6	72.2	75.8	75.8	80.1	80.1	82.1	82.6	82.6	86.2	86.6	86.6	89.2	89.4	91.2	92.9
GE 900	23.6	72.2	75.9	75.9	80.2	80.2	82.3	82.7	82.8	86.3	86.7	86.8	89.4	89.5	91.4	93.1
GE 800	23.6	72.4	76.1	76.1	80.5	80.6	82.8	83.2	83.3	86.9	87.2	87.3	89.9	90.0	91.9	93.7
GE 700	23.7	72.7	76.4	76.4	80.7	80.8	83.0	83.5	83.5	87.1	87.5	87.5	90.1	90.3	92.1	93.9
GE 600	23.7	72.7	76.4	76.4	80.7	80.8	83.1	83.5	83.6	87.2	87.6	87.7	90.3	90.4	92.3	94.0
GE 500	23.7	72.7	76.4	76.4	80.9	81.0	83.2	83.7	83.8	87.5	87.8	87.9	90.7	90.9	92.9	94.7
GE 400	24.0	73.1	76.8	76.8	81.3	81.3	83.8	84.2	84.3	88.3	88.7	88.7	91.7	91.8	93.9	95.7
GE 300	24.0	73.1	76.8	76.8	81.3	81.3	83.8	84.2	84.3	88.3	88.7	88.7	91.7	91.8	93.9	95.7
GE 200	24.1	73.3	77.0	77.0	81.4	81.5	83.9	84.4	84.4	88.4	88.8	88.9	92.2	92.4	94.6	96.5
GE 100	24.1	73.4	77.1	77.1	81.6	81.6	84.1	84.5	84.6	88.6	89.0	89.0	92.4	92.6	95.7	99.8
GE 000	24.1	73.5	77.2	77.2	81.6	81.7	84.1	84.6	84.7	88.7	89.0	89.1	92.4	92.7	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1324

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.5	60.2	64.1	64.1	67.2	67.2	68.0	68.4	68.4	70.4	70.4	72.5	72.5	74.2	76.1	
GE 20000	19.5	60.5	64.3	64.3	67.5	67.5	68.2	68.7	68.7	70.6	70.6	72.8	72.8	74.5	76.4	
GE 18000	19.5	60.5	64.3	64.3	67.5	67.5	68.2	68.7	68.7	70.6	70.6	72.8	72.8	74.5	76.4	
GE 16000	19.5	60.5	64.3	64.3	67.5	67.5	68.2	68.7	68.7	70.6	70.6	72.8	72.8	74.5	76.4	
GE 14000	19.5	60.5	64.3	64.3	67.5	67.5	68.2	68.7	68.7	70.6	70.6	72.8	72.8	74.5	76.4	
GE 12000	19.5	60.7	64.6	64.6	67.7	67.7	68.4	68.9	68.9	70.8	70.8	73.0	73.0	74.7	76.6	
GE 10000	19.5	61.0	64.8	64.8	68.2	68.2	68.9	69.4	69.4	71.3	71.3	73.5	73.5	75.2	77.1	
GE 9000	19.5	61.0	64.8	64.8	68.2	68.2	68.9	69.4	69.4	71.3	71.3	73.5	73.5	75.2	77.1	
GE 8000	19.5	61.0	64.8	64.8	68.2	68.2	68.9	69.4	69.4	71.3	71.3	73.5	73.5	75.2	77.1	
GE 7000	19.5	61.4	65.3	65.3	68.7	68.7	69.4	69.9	69.9	71.8	71.8	74.2	74.2	75.9	77.8	
GE 6000	19.5	61.4	65.3	65.3	68.7	68.7	69.4	69.9	69.9	71.8	71.8	74.2	74.2	75.9	77.8	
GE 5000	20.0	62.4	66.3	66.3	69.6	69.6	70.4	70.8	70.8	72.8	72.8	75.2	75.2	76.9	78.8	
GE 4500	20.0	62.4	66.3	66.3	69.6	69.6	70.4	70.8	70.8	72.8	72.8	75.2	75.2	76.9	78.8	
GE 4000	20.0	62.7	66.5	66.5	69.9	69.9	70.6	71.1	71.1	73.0	73.0	75.4	75.4	77.1	79.0	
GE 3500	20.0	62.7	66.5	66.5	69.9	69.9	70.6	71.1	71.1	73.0	73.0	75.4	75.4	77.1	79.0	
GE 3000	20.0	62.7	66.5	66.5	70.1	70.1	70.8	71.3	71.3	73.3	73.3	75.7	75.7	77.3	79.3	
GE 2500	20.5	64.8	68.7	68.7	72.3	72.3	73.0	73.5	73.5	75.4	75.4	77.8	77.8	79.5	81.4	
GE 2000	21.2	67.0	70.8	70.8	75.2	75.2	76.1	76.9	76.9	79.0	79.0	81.4	81.4	83.1	85.1	
GE 1800	21.2	67.0	70.8	70.8	75.2	75.2	76.1	76.9	76.9	79.0	79.0	81.4	81.4	83.1	85.1	
GE 1500	21.2	67.5	71.6	71.6	75.9	75.9	76.9	77.6	77.6	79.8	79.8	82.2	82.2	83.9	85.8	
GE 1200	22.7	71.6	75.9	75.9	80.5	80.5	81.7	82.4	82.4	85.1	85.1	87.7	87.7	89.4	91.3	
GE 1000	22.7	73.3	77.8	77.8	83.9	83.9	85.1	85.8	85.8	88.4	88.4	91.8	91.8	93.7	95.9	
GE 900	22.7	73.3	77.8	77.8	83.9	83.9	85.1	85.8	85.8	88.4	88.4	91.8	91.8	93.7	95.9	
GE 800	22.7	73.5	78.1	78.1	84.1	84.1	85.8	86.5	86.5	89.2	89.2	92.5	92.5	94.5	96.6	
GE 700	22.7	73.5	78.1	78.1	84.1	84.1	85.8	86.5	86.5	89.2	89.2	92.5	92.5	94.5	96.6	
GE 600	22.7	73.5	78.1	78.1	84.1	84.1	85.8	86.5	86.5	89.2	89.2	92.5	92.5	94.5	96.6	
GE 500	22.7	73.5	78.3	78.3	84.3	84.3	86.0	86.7	86.7	89.4	89.4	92.8	92.8	94.7	96.9	
GE 400	22.7	73.5	78.3	78.3	84.3	84.3	86.0	86.7	86.7	89.4	89.4	92.8	92.8	94.7	96.9	
GE 300	22.7	73.5	78.3	78.3	84.3	84.3	86.0	86.7	86.7	89.4	89.4	92.8	92.8	94.7	96.9	
GE 200	22.7	73.7	78.6	78.6	84.6	84.6	86.3	87.0	87.0	89.6	89.6	93.3	93.3	95.2	97.3	
GE 100	22.7	73.7	78.6	78.6	84.6	84.6	86.3	87.0	87.0	89.6	89.6	93.3	93.3	95.7	100.0	
GE 000	22.7	73.7	78.6	78.6	84.6	84.6	86.3	87.0	87.0	89.6	89.6	93.3	93.3	95.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 415

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	12.9	40.1	43.2	43.2	47.0	47.5	49.4	50.1	50.1	54.0	54.3	54.3	57.6	57.6	61.8	64.9		
GE 20000	12.9	40.8	43.9	43.9	48.1	48.6	50.4	51.2	51.2	55.0	55.3	55.3	58.7	58.7	62.8	65.9		
GE 18000	12.9	41.1	44.2	44.2	48.3	48.8	50.6	51.4	51.4	55.3	55.6	55.6	58.9	58.9	63.0	66.1		
GE 16000	12.9	41.1	44.2	44.2	48.3	48.8	50.6	51.4	51.4	55.3	55.6	55.6	58.9	58.9	63.0	66.1		
GE 14000	12.9	41.9	45.0	45.0	49.1	49.6	51.4	52.2	52.2	56.1	56.3	56.3	59.7	59.7	63.8	66.9		
GE 12000	12.9	42.1	45.2	45.2	49.4	49.9	51.7	52.5	52.5	56.3	56.6	56.6	59.9	59.9	64.1	67.2		
GE 10000	12.9	43.4	46.5	46.5	50.6	51.2	53.0	53.7	53.7	57.6	57.9	57.9	61.2	61.2	65.4	68.5		
GE 9000	12.9	43.4	46.5	46.5	50.6	51.2	53.0	53.7	53.7	57.6	57.9	57.9	61.2	61.2	65.6	68.7		
GE 8000	13.2	43.9	47.0	47.0	51.2	51.7	53.5	54.3	54.3	58.1	58.4	58.4	61.8	62.0	66.4	69.5		
GE 7000	13.2	44.2	47.8	47.8	51.9	52.5	54.5	55.3	55.3	59.4	59.7	59.7	63.0	63.3	68.0	71.1		
GE 6000	13.2	44.7	48.3	48.3	52.5	53.0	55.0	55.8	55.8	60.2	60.5	60.7	64.1	64.3	69.0	72.1		
GE 5000	13.4	45.2	48.8	48.8	53.0	53.5	55.6	56.6	56.6	61.0	61.2	61.5	64.9	65.1	69.8	73.1		
GE 4500	13.4	45.2	48.8	48.8	53.0	53.5	55.6	56.6	56.6	61.0	61.2	61.5	64.9	65.1	69.8	73.1		
GE 4000	13.4	45.5	49.1	49.1	53.2	53.7	55.8	56.8	56.8	61.2	61.5	61.8	65.1	65.4	70.0	73.4		
GE 3500	13.4	45.5	49.1	49.1	53.2	53.7	55.8	56.8	56.8	61.2	61.5	61.8	65.1	65.4	70.0	73.4		
GE 3000	14.7	47.3	50.9	50.9	55.0	55.6	57.6	58.7	58.7	63.0	63.3	63.6	66.9	67.2	71.8	75.2		
GE 2500	15.0	49.1	52.7	52.7	57.1	57.6	59.7	60.7	60.7	65.4	65.9	66.1	69.5	69.8	74.4	77.8		
GE 2000	15.0	51.2	55.0	55.0	59.4	59.9	62.0	63.0	63.0	67.7	68.2	68.5	71.8	72.1	76.7	80.1		
GE 1800	15.0	51.2	55.0	55.0	59.4	59.9	62.3	63.3	63.3	68.0	68.5	68.7	72.1	72.4	77.0	80.4		
GE 1500	16.0	52.7	57.1	57.1	61.8	62.3	64.9	65.9	65.9	70.8	71.6	71.8	75.2	75.5	80.1	83.5		
GE 1200	17.1	56.3	60.7	60.7	65.4	65.9	68.7	69.8	69.8	74.7	75.5	75.7	79.1	79.3	84.2	87.6		
GE 1000	17.1	58.4	63.3	63.3	68.0	68.5	71.8	72.9	72.9	78.0	78.8	79.1	82.7	82.9	87.9	91.2		
GE 900	17.1	58.4	63.3	63.3	68.0	68.5	72.1	73.1	73.1	78.3	79.1	79.3	82.9	83.2	88.1	91.5		
GE 800	17.1	58.7	63.8	63.8	68.7	69.3	72.9	73.9	73.9	79.3	80.1	80.4	84.0	84.2	89.1	92.5		
GE 700	17.6	59.4	64.6	64.6	69.5	70.0	73.6	74.7	74.7	80.1	80.9	81.1	84.8	85.0	89.9	93.3		
GE 600	17.6	59.4	64.6	64.6	69.5	70.0	73.6	74.7	74.7	80.1	80.9	81.1	84.8	85.0	89.9	93.3		
GE 500	17.6	59.4	64.6	64.6	69.8	70.3	73.9	74.9	74.9	80.4	81.1	81.4	85.0	85.3	90.2	93.8		
GE 400	17.6	59.4	64.6	64.6	69.8	70.3	73.9	74.9	74.9	80.9	81.7	81.9	86.0	86.3	91.2	95.1		
GE 300	17.6	59.4	64.6	64.6	69.8	70.3	73.9	74.9	74.9	80.9	81.7	81.9	86.0	86.3	91.2	95.1		
GE 200	17.6	59.4	64.6	64.6	69.8	70.3	73.9	74.9	74.9	80.9	81.7	81.9	86.6	86.8	91.7	95.9		
GE 100	17.6	59.4	64.6	64.6	69.8	70.3	73.9	74.9	74.9	80.9	81.7	81.9	86.6	86.8	91.7	98.7		
GE 000	17.6	59.4	64.6	64.6	69.8	70.3	73.9	74.9	74.9	80.9	81.7	81.9	86.6	86.8	91.7	100.0		

TOTAL NUMBER OF OBSERVATIONS 387

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.8	47.7	49.7	49.7	53.3	53.3	55.6	56.6	56.6	60.2	60.5	60.5	62.5	62.8	66.8	69.9
GE 20000	17.3	49.7	51.8	51.8	55.4	55.4	57.7	58.7	58.7	62.5	62.8	62.8	64.8	65.1	69.1	72.2
GE 18000	17.3	49.7	51.8	51.8	55.4	55.4	57.7	58.7	58.7	62.5	62.8	62.8	64.8	65.1	69.1	72.2
GE 16000	17.3	49.7	51.8	51.8	55.4	55.4	57.7	58.7	58.7	62.5	62.8	62.8	64.8	65.1	69.1	72.2
GE 14000	17.3	50.0	52.0	52.0	55.6	55.6	57.9	58.9	58.9	62.8	63.0	63.0	65.1	65.3	69.4	72.4
GE 12000	17.3	50.0	52.0	52.0	55.6	55.6	57.9	58.9	58.9	62.8	63.0	63.0	65.1	65.3	69.4	72.4
GE 10000	17.3	50.0	52.0	52.0	55.6	55.6	57.9	58.9	58.9	62.8	63.0	63.0	65.1	65.3	69.4	72.4
GE 9000	17.3	50.3	52.3	52.3	55.9	55.9	58.2	59.2	59.2	63.0	63.3	63.3	65.3	65.6	69.6	72.7
GE 8000	17.3	50.3	52.3	52.3	56.1	56.1	58.4	59.4	59.4	63.3	63.8	63.8	65.8	66.1	70.2	73.2
GE 7000	18.1	51.8	53.8	53.8	57.7	57.7	59.9	61.0	61.0	64.8	65.3	65.3	67.3	67.6	71.9	75.0
GE 6000	18.1	52.3	54.3	54.3	58.2	58.2	60.5	61.5	61.5	65.3	65.8	65.8	67.9	68.1	73.0	76.0
GE 5000	18.1	52.6	54.6	54.6	58.4	58.4	60.7	61.7	61.7	65.8	66.3	66.3	68.4	68.6	73.5	76.5
GE 4500	18.1	52.6	54.6	54.6	58.4	58.4	60.7	61.7	61.7	66.1	66.6	66.6	68.6	68.9	73.7	76.8
GE 4000	18.4	52.8	54.8	54.8	58.9	58.9	61.2	62.2	62.2	66.6	67.1	67.1	69.1	69.4	74.2	77.3
GE 3500	18.4	53.1	55.1	55.1	59.2	59.2	61.5	62.5	62.5	66.8	67.3	67.3	69.4	69.6	74.5	77.6
GE 3000	19.1	54.3	56.4	56.4	60.5	60.5	62.8	63.8	63.8	68.1	68.6	68.6	70.7	70.9	75.8	78.8
GE 2500	20.7	56.6	58.7	58.7	62.8	63.0	65.3	66.3	66.3	70.7	71.2	71.2	73.2	73.5	78.3	81.4
GE 2000	20.7	58.2	60.5	60.5	65.1	65.3	67.9	68.9	68.9	73.2	73.7	73.7	76.0	76.3	81.6	84.9
GE 1800	20.7	58.2	60.5	60.5	65.1	65.3	67.9	68.9	68.9	73.2	73.7	73.7	76.0	76.3	81.6	84.9
GE 1500	21.2	58.9	61.2	61.2	65.8	66.1	68.6	69.6	69.6	74.0	74.5	74.5	77.0	77.3	82.7	86.2
GE 1200	21.9	61.7	64.0	64.0	68.9	69.1	72.2	73.2	73.2	77.6	78.1	78.1	80.6	80.9	86.2	90.3
GE 1000	22.2	63.0	65.3	65.3	71.2	71.4	75.0	76.0	76.0	80.4	81.1	81.1	83.7	83.9	89.8	93.9
GE 900	22.2	63.0	65.3	65.3	71.2	71.4	75.3	76.3	76.3	80.6	81.4	81.4	83.9	84.2	90.1	94.1
GE 800	22.2	63.0	65.6	65.6	71.7	71.9	75.8	76.8	76.8	81.1	82.1	82.1	84.7	84.9	90.8	95.2
GE 700	22.2	63.3	65.8	65.8	71.9	72.2	76.0	77.0	77.0	81.4	82.4	82.4	84.9	85.2	91.3	95.7
GE 600	22.2	63.3	65.8	65.8	71.9	72.2	76.0	77.0	77.0	81.4	82.4	82.4	84.9	85.2	91.3	95.7
GE 500	22.2	63.3	65.8	65.8	71.9	72.2	76.0	77.0	77.0	81.4	82.4	82.4	84.9	85.2	91.3	95.9
GE 400	22.2	63.3	65.8	65.8	71.9	72.2	76.0	77.0	77.0	81.6	82.7	82.7	85.2	85.5	91.6	96.7
GE 300	22.2	63.3	65.8	65.8	71.9	72.2	76.0	77.0	77.0	81.6	82.7	82.7	85.2	85.5	91.6	96.7
GE 200	22.2	63.3	65.8	65.8	71.9	72.2	76.0	77.0	77.0	81.6	82.9	82.9	85.7	86.0	92.1	97.2
GE 100	22.2	63.3	65.8	65.8	71.9	72.2	76.0	77.0	77.0	81.6	82.9	82.9	85.7	86.0	92.1	99.0
GE 000	22.2	63.3	65.8	65.8	71.9	72.2	76.0	77.0	77.0	81.6	82.9	82.9	85.7	86.0	92.1	100.0

TOTAL NUMBER OF OBSERVATIONS 192

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	16.5	52.0	53.2	53.2	56.2	56.2	58.1	58.4	58.6	60.7	60.7	60.7	62.8	63.5	65.9	69.4		
GE 20000	16.5	52.9	54.1	54.1	57.2	57.2	59.1	59.3	59.5	61.6	61.6	61.6	63.8	64.5	66.8	70.4		
GE 18000	16.5	52.9	54.1	54.1	57.2	57.2	59.1	59.3	59.5	61.6	61.6	61.6	63.8	64.5	66.8	70.4		
GE 16000	16.5	53.2	54.4	54.4	57.4	57.4	59.3	59.5	59.8	61.9	61.9	61.9	64.0	64.7	67.1	70.6		
GE 14000	16.5	53.4	54.6	54.6	57.6	57.6	59.5	59.8	60.0	62.1	62.1	62.1	64.2	64.9	67.3	70.8		
GE 12000	16.5	54.1	55.3	55.3	58.4	58.4	60.2	60.5	60.7	62.8	62.8	62.8	64.9	65.6	68.0	71.5		
GE 10000	16.5	54.6	56.0	56.0	59.1	59.1	60.9	61.2	61.4	63.5	63.5	63.5	65.6	66.4	68.7	72.2		
GE 9000	16.5	54.8	56.5	56.5	59.5	59.5	61.4	61.6	61.9	64.0	64.0	64.0	66.1	66.8	69.2	72.7		
GE 8000	16.5	55.1	56.7	56.7	59.8	59.8	61.9	62.1	62.4	64.5	64.5	64.5	66.6	67.3	69.6	73.2		
GE 7000	16.7	56.0	57.6	57.6	60.7	60.7	62.8	63.1	63.3	65.6	65.6	65.6	67.8	68.5	70.8	74.4		
GE 6000	16.7	56.2	57.9	57.9	60.9	60.9	63.1	63.3	63.5	65.9	65.9	65.9	68.0	68.7	71.1	74.6		
GE 5000	16.7	56.5	58.1	58.1	61.2	61.2	63.3	63.5	63.8	66.4	66.4	66.4	68.5	69.2	71.5	75.1		
GE 4500	16.7	56.5	58.1	58.1	61.2	61.2	63.3	63.5	63.8	66.4	66.4	66.4	68.5	69.2	71.5	75.1		
GE 4000	17.4	57.6	59.3	59.3	62.4	62.4	64.5	64.7	64.9	67.5	67.5	67.5	69.6	70.4	72.7	76.2		
GE 3500	17.4	57.6	59.3	59.3	62.4	62.4	64.5	64.7	64.9	67.5	67.5	67.5	69.6	70.4	72.7	76.2		
GE 3000	18.1	58.6	60.2	60.2	63.3	63.3	65.4	65.6	65.9	68.5	68.5	68.5	70.6	71.3	73.6	77.2		
GE 2500	18.6	60.0	61.6	61.6	64.7	64.7	66.8	67.1	67.5	70.1	70.1	70.1	72.2	72.9	75.3	78.8		
GE 2000	18.8	61.9	63.5	63.5	66.8	66.8	68.9	69.2	69.6	72.2	72.2	72.2	74.4	75.1	77.4	80.9		
GE 1800	18.8	61.9	63.5	63.5	66.8	66.8	68.9	69.2	69.6	72.2	72.2	72.2	74.4	75.1	77.4	80.9		
GE 1500	19.5	63.1	64.7	64.7	68.0	68.0	70.1	70.6	71.1	73.6	73.6	73.6	75.8	76.5	79.1	82.8		
GE 1200	20.0	66.4	68.0	68.0	72.2	72.2	74.6	75.1	75.5	78.6	78.6	78.6	81.2	81.9	84.7	88.7		
GE 1000	20.5	68.7	71.3	71.3	76.0	76.0	78.8	79.3	79.8	83.8	83.8	83.8	86.4	87.1	90.1	94.4		
GE 900	20.5	68.7	71.3	71.3	76.0	76.0	78.8	79.3	79.8	83.8	83.8	83.8	86.4	87.1	90.1	94.4		
GE 800	20.5	68.7	71.5	71.5	76.5	76.5	79.3	79.8	80.2	84.5	84.5	84.5	87.1	87.8	90.8	95.3		
GE 700	20.5	68.7	71.5	71.5	76.5	76.5	79.3	79.8	80.2	84.5	84.5	84.5	87.3	88.0	91.1	95.5		
GE 600	20.5	68.7	71.5	71.5	76.5	76.5	79.3	79.8	80.2	84.5	84.5	84.5	87.3	88.0	91.1	95.5		
GE 500	20.5	68.7	71.5	71.5	76.5	76.5	79.3	79.8	80.2	84.5	84.5	84.5	87.3	88.0	91.1	95.5		
GE 400	20.5	68.7	71.5	71.5	76.5	76.5	79.3	79.8	80.2	84.5	84.5	84.5	87.3	88.0	91.1	95.5		
GE 200	20.5	68.7	71.5	71.5	76.5	76.5	79.3	79.8	80.2	84.5	84.5	84.5	88.0	88.7	92.0	96.5		
GE 100	20.5	68.7	71.5	71.5	76.5	76.5	79.3	79.8	80.2	84.5	84.5	84.5	88.0	88.7	92.2	99.1		
GE 000	20.5	68.7	71.5	71.5	76.5	76.5	79.3	79.8	80.2	84.5	84.5	84.5	88.0	88.7	92.2	100.0		

TOTAL NUMBER OF OBSERVATIONS 425

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.5	50.2	52.7	52.7	56.1	56.3	57.9	58.6	58.6	61.5	61.6	61.6	64.0	64.2	67.3	70.2
GE 20000	16.6	51.2	53.7	53.7	57.2	57.3	59.0	59.6	59.7	62.6	62.7	62.7	65.1	65.3	68.4	71.3
GE 18000	16.6	51.3	53.8	53.8	57.3	57.4	59.0	59.7	59.7	62.6	62.8	62.8	65.2	65.4	68.4	71.3
GE 16000	16.6	51.3	53.9	53.9	57.3	57.4	59.1	59.7	59.8	62.7	62.8	62.8	65.2	65.5	68.5	71.4
GE 14000	16.6	51.6	54.2	54.2	57.6	57.8	59.4	60.0	60.1	63.0	63.1	63.1	65.5	65.8	68.8	71.7
GE 12000	16.6	51.9	54.5	54.5	57.9	58.1	59.7	60.3	60.4	63.3	63.4	63.4	65.8	66.1	69.1	72.0
GE 10000	16.6	52.4	55.0	55.0	58.6	58.7	60.3	61.0	61.0	63.9	64.1	64.1	66.5	66.7	69.7	72.6
GE 9000	16.6	52.6	55.2	55.2	58.7	58.9	60.5	61.1	61.2	64.1	64.2	64.2	66.6	67.0	70.0	72.9
GE 8000	16.7	52.7	55.4	55.4	59.0	59.1	60.8	61.5	61.5	64.4	64.6	64.6	67.0	67.3	70.4	73.3
GE 7000	16.9	53.6	56.3	56.3	59.9	60.0	61.8	62.4	62.5	65.5	65.7	65.7	68.2	68.5	71.7	74.6
GE 6000	16.9	53.9	56.6	56.6	60.2	60.3	62.1	62.8	62.8	65.9	66.1	66.2	68.6	68.9	72.3	75.2
GE 5000	17.1	54.4	57.1	57.1	60.7	60.8	62.6	63.3	63.4	66.6	66.8	66.8	69.3	69.6	72.9	75.9
GE 4500	17.1	54.4	57.1	57.1	60.7	60.8	62.6	63.3	63.4	66.6	66.8	66.9	69.4	69.7	73.0	76.0
GE 4000	17.4	54.8	57.6	57.6	61.3	61.4	63.2	63.9	63.9	67.2	67.4	67.4	69.9	70.2	73.6	76.5
GE 3500	17.4	54.9	57.7	57.7	61.3	61.5	63.2	63.9	64.0	67.3	67.4	67.5	70.0	70.3	73.6	76.6
GE 3000	18.0	55.9	58.7	58.7	62.4	62.5	64.3	65.0	65.0	68.3	68.5	68.6	71.0	71.3	74.7	77.6
GE 2500	18.7	57.8	60.6	60.6	64.4	64.5	66.3	67.0	67.1	70.5	70.7	70.8	73.3	73.6	76.9	79.9
GE 2000	19.0	59.7	62.6	62.6	66.8	67.0	68.9	69.6	69.7	73.1	73.4	73.4	76.0	76.3	79.7	82.8
GE 1800	19.0	59.7	62.6	62.6	66.8	67.0	68.9	69.7	69.8	73.2	73.4	73.5	76.0	76.3	79.8	82.8
GE 1500	19.5	60.7	63.8	63.8	68.0	68.2	70.2	71.0	71.2	74.6	74.9	75.0	77.6	77.9	81.4	84.6
GE 1200	20.4	64.2	67.3	67.3	71.9	72.1	74.4	75.2	75.4	79.1	79.4	79.4	82.2	82.5	86.2	89.5
GE 1000	20.5	66.0	69.6	69.6	74.9	75.1	77.8	78.6	78.8	82.8	83.1	83.2	86.2	86.5	90.4	93.9
GE 900	20.5	66.0	69.6	69.6	74.9	75.1	77.9	78.8	78.9	82.9	83.3	83.3	86.3	86.7	90.5	94.0
GE 800	20.6	66.2	69.9	69.9	75.4	75.6	78.6	79.4	79.5	83.6	84.1	84.1	87.2	87.5	91.4	94.9
GE 700	20.8	66.4	70.2	70.2	75.7	75.8	78.8	79.6	79.7	83.9	84.3	84.4	87.5	87.8	91.7	95.3
GE 600	20.8	66.4	70.2	70.2	75.7	75.8	78.8	79.6	79.7	83.9	84.3	84.4	87.5	87.8	91.7	95.3
GE 500	20.8	66.4	70.2	70.2	75.8	76.0	78.9	79.7	79.9	84.0	84.4	84.5	87.6	87.9	91.8	95.6
GE 400	20.8	66.4	70.2	70.2	75.8	76.0	78.9	79.7	79.9	84.2	84.6	84.7	87.9	88.2	92.2	96.0
GE 300	20.8	66.4	70.2	70.2	75.8	76.0	78.9	79.7	79.9	84.2	84.6	84.7	87.9	88.2	92.2	96.0
GE 200	20.8	66.5	70.3	70.3	75.8	76.0	79.0	79.8	79.9	84.2	84.7	84.8	88.4	88.8	92.8	96.7
GE 100	20.8	66.5	70.3	70.3	75.8	76.0	79.0	79.8	79.9	84.2	84.7	84.8	88.4	88.8	93.0	99.2
GE 000	20.8	66.5	70.3	70.3	75.8	76.0	79.0	79.8	79.9	84.2	84.7	84.8	88.4	88.8	93.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1619

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 80
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	19.0	54.9	56.8	56.8	59.9	59.9	60.8	60.8	63.6	63.6	63.6	66.0	66.0	67.8	71.1		
GE 20000	19.0	55.2	57.0	57.0	60.1	60.1	61.0	61.0	63.8	63.8	63.8	66.2	66.2	68.1	71.4		
GE 18000	19.0	55.2	57.0	57.0	60.1	60.1	61.0	61.0	63.8	63.8	63.8	66.2	66.2	68.1	71.4		
GE 16000	19.0	55.4	57.3	57.3	60.3	60.3	61.3	61.3	64.1	64.1	64.1	66.4	66.4	68.3	71.6		
GE 14000	19.0	55.6	57.5	57.5	60.6	60.6	61.5	61.5	64.3	64.3	64.3	66.7	66.7	68.5	71.8		
GE 12000	19.0	55.9	57.7	57.7	60.8	60.8	61.7	61.7	64.6	64.6	64.6	66.9	66.9	68.8	72.1		
GE 10000	19.0	56.6	58.5	58.5	61.5	61.5	62.4	62.4	65.3	65.3	65.3	67.6	67.6	69.5	72.8		
GE 9000	19.0	56.6	58.5	58.5	61.5	61.5	62.4	62.4	65.3	65.3	65.3	67.6	67.6	69.5	72.8		
GE 8000	19.0	56.8	58.7	58.7	61.7	61.7	62.7	62.7	65.5	65.5	65.5	67.8	67.8	69.7	73.0		
GE 7000	19.5	58.0	59.9	59.9	62.9	62.9	63.8	63.8	66.7	66.7	66.7	69.0	69.0	70.9	74.2		
GE 6000	19.5	58.5	60.3	60.3	63.4	63.4	64.3	64.3	67.1	67.1	67.1	69.5	69.5	71.4	74.6		
GE 5000	19.7	60.1	62.0	62.0	65.0	65.0	66.0	66.0	68.8	68.8	68.8	71.1	71.1	73.0	76.3		
GE 4500	19.7	60.1	62.0	62.0	65.0	65.0	66.0	66.0	68.8	68.8	68.8	71.1	71.1	73.0	76.3		
GE 4000	19.7	60.3	62.2	62.2	65.3	65.3	66.2	66.2	69.0	69.0	69.0	71.4	71.4	73.2	76.5		
GE 3500	19.7	60.3	62.2	62.2	65.3	65.3	66.2	66.2	69.0	69.0	69.0	71.4	71.4	73.2	76.5		
GE 3000	19.7	61.3	63.1	63.1	66.2	66.2	67.1	67.1	70.0	70.0	70.0	72.5	72.5	74.4	77.7		
GE 2500	20.4	63.4	65.3	65.3	68.3	68.3	69.2	69.2	72.1	72.1	72.1	74.6	74.6	76.5	79.8		
GE 2000	20.4	65.5	67.4	67.4	70.7	70.7	71.6	71.6	74.4	74.4	74.4	77.0	77.0	78.9	82.2		
GE 1800	20.4	65.5	67.4	67.4	70.7	70.7	71.6	71.6	74.4	74.4	74.4	77.0	77.0	78.9	82.2		
GE 1500	20.7	66.9	68.8	68.8	72.3	72.3	73.5	73.5	76.3	76.3	76.3	78.9	78.9	80.8	84.0		
GE 1200	22.1	72.1	73.9	73.9	77.5	77.5	78.9	78.9	81.9	81.9	81.9	84.7	84.7	86.9	90.4		
GE 1000	23.0	75.4	77.2	77.2	81.0	81.0	82.6	82.6	87.3	87.3	87.3	90.4	90.4	93.0	96.7		
GE 900	23.0	75.4	77.5	77.5	81.2	81.2	82.9	82.9	87.6	87.6	87.6	90.6	90.6	93.2	96.9		
GE 800	23.0	75.4	77.5	77.5	81.2	81.2	83.1	83.1	87.8	87.8	87.8	90.8	90.8	93.4	97.2		
GE 700	23.5	75.8	77.9	77.9	81.7	81.7	83.6	83.6	88.3	88.3	88.3	91.3	91.3	93.9	97.7		
GE 600	23.5	75.8	77.9	77.9	81.7	81.7	83.6	83.6	88.3	88.3	88.3	91.3	91.3	93.9	97.7		
GE 500	23.5	75.8	77.9	77.9	81.7	81.7	83.6	83.6	88.5	88.5	88.5	91.5	91.5	94.4	98.1		
GE 400	23.5	75.8	77.9	77.9	81.7	81.7	83.6	83.6	88.5	88.5	88.5	91.5	91.5	94.4	98.1		
GE 300	23.5	75.8	77.9	77.9	81.7	81.7	83.6	83.6	88.5	88.5	88.5	91.5	91.5	94.4	98.1		
GE 200	23.5	75.8	77.9	77.9	81.7	81.7	83.6	83.6	88.5	88.5	88.5	92.0	92.0	94.8	98.6		
GE 100	23.5	75.8	77.9	77.9	81.7	81.7	83.6	83.6	88.5	88.5	88.5	92.0	92.0	95.1	99.8		
GE 000	23.5	75.8	77.9	77.9	81.7	81.7	83.6	83.6	88.5	88.5	88.5	92.0	92.0	95.1	100.0		

TOTAL NUMBER OF OBSERVATIONS 426

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	18.1	43.2	45.3	45.3	48.0	48.3	51.7	52.3	52.3	53.9	54.1	54.1	56.0	58.7	59.7	62.1	66.7
GE 20000	18.1	45.1	47.2	47.2	49.9	50.1	53.6	54.1	54.1	55.7	56.0	56.0	58.7	59.7	64.0	68.5	
GE 18000	18.1	45.1	47.2	47.2	49.9	50.1	53.6	54.1	54.1	55.7	56.0	56.0	58.7	59.7	64.0	68.5	
GE 16000	18.1	45.1	47.2	47.2	49.9	50.1	53.6	54.1	54.1	55.7	56.0	56.0	58.7	59.7	64.0	68.5	
GE 14000	18.1	45.3	47.5	47.5	50.1	50.7	54.1	54.7	54.7	56.3	56.5	56.5	59.2	60.3	64.5	69.1	
GE 12000	18.1	45.6	48.0	48.0	50.7	51.2	54.7	55.2	55.2	56.8	57.1	57.1	59.7	60.8	65.1	69.6	
GE 10000	18.4	46.9	49.6	49.6	52.3	52.8	56.3	56.8	56.8	58.4	58.7	58.7	61.3	62.4	66.7	71.2	
GE 9000	18.4	46.9	49.6	49.6	52.3	52.8	56.3	56.8	56.8	58.4	58.7	58.7	61.3	62.4	66.7	71.2	
GE 8000	18.4	47.5	50.1	50.1	53.1	53.6	57.1	57.6	57.6	59.2	59.5	59.5	62.1	63.2	67.5	72.0	
GE 7000	18.9	48.8	51.5	51.5	54.9	55.5	58.9	59.5	59.5	61.1	61.3	61.3	64.0	65.1	69.3	73.9	
GE 6000	18.9	49.6	52.3	52.3	55.7	56.3	59.7	60.3	60.3	61.9	62.1	62.1	64.8	65.9	70.1	74.7	
GE 5000	18.9	50.1	52.8	52.8	56.3	56.8	60.3	60.8	60.8	62.7	62.9	62.9	65.6	66.7	70.9	75.7	
GE 4500	18.9	50.1	52.8	52.8	56.3	56.8	60.3	60.8	60.8	62.7	62.9	62.9	65.6	66.7	70.9	75.7	
GE 4000	18.9	51.2	53.9	53.9	57.3	57.9	61.3	61.9	61.9	63.7	64.0	64.0	66.7	67.7	72.0	76.8	
GE 3500	18.9	51.2	53.9	53.9	57.3	57.9	61.3	61.9	61.9	63.7	64.0	64.0	66.7	67.7	72.0	76.8	
GE 3000	19.2	52.0	54.7	54.7	58.4	58.9	62.4	62.9	62.9	64.8	65.1	65.1	67.7	68.8	73.1	77.9	
GE 2500	19.7	53.6	56.3	56.3	60.5	61.1	64.5	65.1	65.1	66.9	67.2	67.2	69.9	70.9	75.2	80.0	
GE 2000	20.0	55.5	58.1	58.1	62.7	63.2	66.7	67.2	67.2	69.3	69.6	69.6	72.3	73.3	77.6	82.7	
GE 1800	20.0	55.5	58.1	58.1	62.7	63.2	66.7	67.2	67.2	69.3	69.6	69.6	72.3	73.3	77.6	82.7	
GE 1500	20.0	55.7	58.4	58.4	62.9	63.5	66.9	67.5	67.5	69.9	70.1	70.1	72.8	73.9	78.1	83.2	
GE 1200	22.4	58.7	61.3	61.3	66.9	67.5	71.5	72.0	72.0	75.7	76.0	76.0	78.9	80.0	85.1	90.7	
GE 1000	23.5	60.5	63.7	63.7	69.6	70.1	74.9	75.5	75.5	79.7	80.3	80.3	83.5	84.5	89.9	96.0	
GE 900	23.5	60.5	63.7	63.7	69.6	70.1	74.9	75.5	75.5	79.7	80.3	80.3	83.5	84.5	89.9	96.0	
GE 800	23.5	60.5	63.7	63.7	69.6	70.1	74.9	75.5	75.5	80.0	80.5	80.5	83.7	84.8	90.1	96.3	
GE 700	23.5	60.8	64.0	64.0	69.9	70.4	75.2	75.7	75.7	80.3	80.8	80.8	84.0	85.1	90.4	96.5	
GE 600	23.5	60.8	64.0	64.0	69.9	70.4	75.5	76.0	76.0	80.5	81.1	81.1	84.3	85.3	90.7	96.8	
GE 500	23.5	60.8	64.0	64.0	69.9	70.4	75.7	76.3	76.3	81.1	81.6	81.6	84.8	85.9	91.5	98.1	
GE 400	23.5	60.8	64.0	64.0	69.9	70.4	76.0	76.5	76.5	81.3	81.9	81.9	85.1	86.1	92.0	98.7	
GE 300	23.5	60.8	64.0	64.0	69.9	70.4	76.0	76.5	76.5	81.3	81.9	81.9	85.1	86.1	92.0	98.7	
GE 200	23.5	60.8	64.0	64.0	69.9	70.4	76.3	76.8	76.8	81.6	82.1	82.1	85.3	86.4	92.5	99.5	
GE 100	23.5	60.8	64.0	64.0	69.9	70.4	76.3	76.8	76.8	81.6	82.1	82.1	85.3	86.4	92.5	100.0	
GE 000	23.5	60.8	64.0	64.0	69.9	70.4	76.3	76.8	76.8	81.6	82.1	82.1	85.3	86.4	92.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 375

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	20.6	45.9	46.6	46.6	50.1	50.1	52.6	52.9	52.9	54.4	54.9	58.1	58.6	61.4	66.4			
GE 20000	20.6	46.1	46.9	46.9	50.9	50.9	53.6	53.9	53.9	55.6	56.1	59.4	59.9	62.7	67.7			
GE 18000	20.6	46.9	47.6	47.6	51.6	51.6	54.4	54.9	54.9	56.6	57.4	60.7	61.2	63.9	68.9			
GE 16000	20.6	46.9	47.6	47.6	51.6	51.6	54.4	54.9	54.9	56.6	57.4	60.7	61.2	63.9	68.9			
GE 14000	20.6	47.4	48.1	48.1	52.1	52.1	54.9	55.4	55.4	57.1	57.9	61.2	61.7	64.4	69.4			
GE 12000	20.6	47.4	48.4	48.4	52.4	52.4	55.1	55.6	55.6	57.4	58.1	61.4	61.9	64.7	69.9			
GE 10000	21.1	48.9	49.9	49.9	53.9	53.9	56.6	57.1	57.1	58.9	59.6	59.6	62.9	63.4	66.2	71.4		
GE 9000	21.1	49.1	50.1	50.1	54.1	54.1	56.9	57.4	57.4	59.1	59.9	59.9	63.2	63.7	66.4	71.7		
GE 8000	21.1	50.1	51.1	51.1	55.1	55.1	57.9	58.4	58.4	60.2	60.9	60.9	64.2	64.7	67.4	72.7		
GE 7000	21.3	51.1	52.1	52.1	56.1	56.1	58.9	59.4	59.4	61.2	61.9	61.9	65.2	65.7	68.4	73.7		
GE 6000	21.3	51.4	52.4	52.4	56.6	56.6	59.4	59.9	59.9	61.9	62.7	62.7	65.9	66.4	69.2	74.4		
GE 5000	22.1	52.6	53.6	53.6	57.9	57.9	60.7	61.2	61.2	63.2	63.9	63.9	67.2	67.7	70.7	75.9		
GE 4500	22.1	52.6	53.6	53.5	57.9	57.9	60.7	61.2	61.2	63.2	63.9	63.9	67.2	67.7	70.7	75.9		
GE 4000	22.6	54.1	55.1	55.1	59.4	59.4	62.2	62.7	62.7	64.7	65.4	65.4	68.7	69.2	72.2	77.4		
GE 3500	22.6	54.4	55.4	55.4	59.6	59.6	62.4	62.9	62.9	64.9	65.7	65.7	68.9	69.4	72.4	77.7		
GE 3000	22.8	54.9	55.9	55.9	60.4	60.4	63.4	63.9	63.9	65.9	66.7	66.7	69.9	70.4	73.4	78.7		
GE 2500	24.1	57.1	58.1	58.1	62.7	62.7	65.7	66.2	66.2	68.2	68.9	68.9	72.2	72.7	75.7	81.5		
GE 2000	24.3	59.1	60.4	60.4	64.9	64.9	67.9	68.4	68.4	70.7	71.4	71.4	74.7	75.2	78.4	84.2		
GE 1800	24.3	59.1	60.4	60.4	64.9	64.9	67.9	68.4	68.4	70.7	71.4	71.4	74.7	75.2	78.4	84.2		
GE 1500	24.6	60.0	62.2	62.2	66.7	66.7	69.9	70.4	70.4	72.9	73.7	73.7	76.9	77.4	80.7	86.7		
GE 1200	25.6	63.7	64.4	64.4	69.9	70.2	73.9	74.4	74.4	77.7	78.4	78.4	82.0	82.5	86.2	92.5		
GE 1000	26.1	64.4	66.2	66.2	72.2	72.7	76.4	76.9	76.9	80.7	82.0	82.0	85.7	86.2	90.2	96.5		
GE 900	26.1	64.7	66.4	66.4	72.4	72.9	76.7	77.2	77.2	81.0	82.2	82.2	86.0	86.5	90.5	96.7		
GE 800	26.1	64.7	66.4	66.4	72.4	72.9	76.7	77.2	77.2	81.0	82.2	82.2	86.0	86.5	90.5	97.0		
GE 700	26.1	64.9	66.7	66.7	72.7	73.2	76.9	77.4	77.4	81.2	82.5	82.5	86.2	86.7	90.7	97.5		
GE 600	26.1	64.9	66.7	66.7	72.7	73.2	76.9	77.4	77.4	81.2	82.5	82.5	86.5	87.0	91.0	97.7		
GE 500	26.1	64.9	66.7	66.7	72.7	73.2	76.9	77.4	77.4	81.2	82.5	82.5	86.7	87.2	91.5	98.2		
GE 400	26.1	64.9	66.7	66.7	72.7	73.2	76.9	77.4	77.4	81.2	82.5	82.5	86.7	87.2	91.5	98.2		
GE 300	26.1	64.9	66.7	66.7	72.7	73.2	76.9	77.4	77.4	81.2	82.5	82.5	86.7	87.2	91.5	98.5		
GE 200	26.1	64.9	66.7	66.7	72.7	73.2	76.9	77.4	77.4	81.2	82.5	82.5	87.0	87.5	92.0	99.2		
GE 100	26.1	64.9	66.7	66.7	72.7	73.2	76.9	77.4	77.4	81.2	82.5	82.5	87.0	87.5	92.0	100.0		
GE 000	26.1	64.9	66.7	66.7	72.7	73.2	76.9	77.4	77.4	81.2	82.5	82.5	87.0	87.5	92.0	100.0		

TOTAL NUMBER OF OBSERVATIONS 399

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	21.0	53.6	55.1	55.1	57.2	57.5	59.2	59.4	59.4	61.1	61.6	61.6	63.8	64.0	65.9	69.8	
GE 20000	21.5	54.6	56.0	56.0	58.5	58.7	60.4	60.6	60.6	62.3	62.8	62.8	65.0	65.2	67.1	71.0	
GE 18000	21.5	55.1	56.5	56.5	58.9	59.2	61.1	61.4	61.4	63.0	63.5	63.5	65.7	65.9	67.9	71.7	
GE 16000	21.5	55.1	56.5	56.5	58.9	59.2	61.1	61.4	61.4	63.0	63.5	63.5	65.7	65.9	67.9	71.7	
GE 14000	21.7	55.3	56.8	56.8	59.2	59.4	61.4	61.6	61.6	63.3	63.8	63.8	65.9	66.2	68.1	72.0	
GE 12000	21.7	55.6	57.0	57.0	59.4	59.7	61.6	61.8	61.8	63.5	64.0	64.0	66.2	66.4	68.4	72.2	
GE 10000	22.0	56.3	57.7	57.7	60.1	60.4	62.3	62.6	62.6	64.3	64.7	64.7	66.9	67.1	69.1	72.9	
GE 9000	22.0	56.3	57.7	57.7	60.1	60.4	62.3	62.6	62.6	64.3	64.7	64.7	66.9	67.1	69.1	72.9	
GE 8000	22.0	56.5	58.0	58.0	60.4	60.6	62.6	62.8	62.8	64.5	65.0	65.0	67.1	67.4	69.3	73.2	
GE 7000	23.4	59.2	60.6	60.6	63.0	63.3	65.2	65.5	65.5	67.4	67.9	67.9	70.0	70.3	72.2	76.1	
GE 6000	23.4	59.7	61.1	61.1	63.5	63.8	65.7	65.9	65.9	67.9	68.4	68.4	70.5	70.8	72.7	76.6	
GE 5000	23.7	60.4	61.8	61.8	64.3	64.5	66.7	66.9	66.9	68.8	69.3	69.3	71.5	71.7	73.7	77.5	
GE 4500	23.7	60.4	61.8	61.8	64.3	64.5	66.7	66.9	66.9	68.8	69.3	69.3	71.5	71.7	73.7	77.5	
GE 4000	23.7	61.1	62.6	62.6	65.0	65.2	67.4	67.6	67.6	69.6	70.0	70.0	72.2	72.5	74.4	78.3	
GE 3500	23.7	61.6	63.0	63.0	65.5	65.7	67.9	68.1	68.1	70.0	70.5	70.5	72.7	72.9	74.9	78.7	
GE 3000	23.7	61.8	63.3	63.3	65.7	65.9	68.1	68.4	68.4	70.3	70.8	70.8	72.9	73.2	75.1	79.0	
GE 2500	24.2	64.0	65.5	65.5	67.9	68.1	70.5	70.8	70.8	72.7	73.2	73.2	75.6	75.8	77.8	81.6	
GE 2000	24.2	65.7	67.1	67.1	69.8	70.0	72.7	72.9	72.9	75.1	75.6	75.6	78.3	78.5	80.4	84.3	
GE 1800	24.2	65.7	67.1	67.1	69.8	70.0	72.7	72.9	72.9	75.1	75.6	75.6	78.3	78.5	80.4	84.3	
GE 1500	24.6	66.4	67.9	67.9	70.5	70.8	74.2	74.4	74.4	76.6	77.1	77.1	79.7	80.0	81.9	85.7	
GE 1200	25.6	68.4	69.8	69.8	73.9	74.2	77.8	78.0	78.0	80.4	81.2	81.2	84.3	84.5	86.5	90.6	
GE 1000	26.8	72.0	73.9	73.9	78.0	78.3	82.4	82.6	82.9	85.7	86.5	86.5	89.6	89.9	91.8	96.4	
GE 900	26.8	72.2	74.2	74.2	78.3	78.5	82.6	82.9	83.1	86.0	86.7	86.7	89.9	90.1	92.0	96.6	
GE 800	26.8	72.7	74.6	74.6	78.7	79.0	83.1	83.1	83.6	86.5	87.2	87.2	90.3	90.6	92.8	97.3	
GE 700	27.3	73.2	75.1	75.1	79.2	79.5	83.6	83.8	84.1	87.2	87.9	87.9	91.1	91.3	93.7	98.3	
GE 600	27.3	73.2	75.1	75.1	79.2	79.5	83.6	83.8	84.1	87.2	87.9	87.9	91.1	91.3	93.7	98.3	
GE 500	27.3	73.2	75.1	75.1	79.2	79.5	83.6	83.8	84.1	87.2	87.9	87.9	91.1	91.3	93.7	98.3	
GE 400	27.3	73.2	75.1	75.1	79.2	79.5	83.6	83.8	84.1	87.2	87.9	87.9	91.1	91.3	93.7	98.3	
GE 300	27.3	73.2	75.1	75.1	79.2	79.5	83.6	83.8	84.1	87.2	87.9	87.9	91.1	91.3	93.7	98.6	
GE 200	27.3	73.2	75.1	75.1	79.2	79.5	83.6	83.8	84.1	87.2	87.9	87.9	91.5	91.8	94.2	99.0	
GE 100	27.3	73.2	75.1	75.1	79.2	79.5	83.6	83.8	84.1	87.2	87.9	87.9	91.5	91.8	94.2	99.3	
GE 000	27.3	73.2	75.1	75.1	79.2	79.5	83.6	83.8	84.1	87.2	87.9	87.9	91.5	91.8	94.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 414

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.7	49.6	51.2	51.2	54.0	54.2	56.3	56.5	56.5	58.4	58.7	58.7	61.3	61.8	64.4	68.6
GE 20000	19.8	50.4	52.0	52.0	55.0	55.1	57.3	57.6	57.6	59.5	59.9	59.9	62.5	62.9	65.6	69.7
GE 18000	19.8	50.7	52.3	52.3	55.3	55.5	57.7	58.0	58.0	60.0	60.3	60.3	62.9	63.4	66.0	70.2
GE 16000	19.8	50.8	52.4	52.4	55.4	55.5	57.7	58.1	58.1	60.0	60.4	60.4	63.0	63.4	66.1	70.3
GE 14000	19.9	51.1	52.7	52.7	55.7	55.9	58.1	58.4	58.4	60.4	60.8	60.8	63.4	63.8	66.5	70.6
GE 12000	19.9	51.3	53.0	53.0	56.0	56.2	58.4	58.7	58.7	60.7	61.1	61.1	63.7	64.1	66.8	71.0
GE 10000	20.1	52.4	54.1	54.1	57.1	57.1	59.5	59.9	59.9	61.8	62.2	62.2	64.8	65.2	67.9	72.1
GE 9000	20.1	52.4	54.2	54.2	57.2	57.4	59.6	59.9	59.9	61.9	62.3	62.3	64.9	65.3	68.0	72.2
GE 8000	20.1	52.9	54.6	54.6	57.7	57.9	60.2	60.5	60.5	62.5	62.8	62.8	65.4	65.9	68.5	72.7
GE 7000	20.8	54.5	56.2	56.2	59.4	59.6	61.8	62.1	62.1	64.2	64.6	64.6	67.2	67.6	70.3	74.5
GE 6000	20.8	55.0	56.7	56.7	60.0	60.2	62.4	62.7	62.7	64.8	65.2	65.2	67.8	68.2	70.9	75.1
GE 5000	21.1	56.0	57.7	57.7	61.0	61.2	63.5	63.8	63.8	66.0	66.4	66.4	69.0	69.4	72.1	76.4
GE 4500	21.1	56.0	57.7	57.7	61.0	61.2	63.5	63.8	63.8	66.0	66.4	66.4	69.0	69.4	72.1	76.4
GE 4000	21.3	56.9	58.6	58.6	61.9	62.1	64.4	64.7	64.7	66.9	67.2	67.2	69.8	70.3	73.0	77.3
GE 3500	21.3	57.1	58.8	58.8	62.1	62.3	64.6	64.9	64.9	67.0	67.4	67.4	70.0	70.4	73.2	77.4
GE 3000	21.4	57.7	59.4	59.4	62.8	63.0	65.4	65.7	65.7	67.8	68.2	68.2	70.9	71.3	74.0	78.3
GE 2500	22.1	59.7	61.5	61.5	65.0	65.2	67.6	67.9	67.9	70.1	70.4	70.4	73.2	73.6	76.3	80.7
GE 2000	22.2	61.6	63.4	63.4	67.2	67.3	69.8	70.1	70.1	72.5	72.9	72.9	75.7	76.1	78.9	83.3
GE 1800	22.2	61.6	63.4	63.4	67.2	67.3	69.8	70.1	70.1	72.5	72.9	72.9	75.7	76.1	78.9	83.3
GE 1500	22.5	62.7	64.5	64.5	68.3	68.5	71.3	71.6	71.6	74.0	74.4	74.4	77.2	77.6	80.4	84.9
GE 1200	23.9	65.8	67.6	67.6	72.2	72.5	75.7	76.0	76.0	79.1	79.5	79.5	82.6	83.0	86.2	91.0
GE 1000	24.8	68.3	70.5	70.5	75.4	75.7	79.2	79.6	79.6	83.5	84.1	84.1	87.4	87.9	91.3	96.4
GE 900	24.8	68.5	70.7	70.7	75.6	75.9	79.4	79.7	79.8	83.7	84.3	84.3	87.6	88.0	91.4	96.6
GE 800	24.8	68.6	70.8	70.8	75.7	76.0	79.6	79.9	80.0	84.0	84.6	84.6	87.9	88.3	91.8	97.0
GE 700	25.1	69.0	71.2	71.2	76.1	76.4	80.0	80.3	80.4	84.4	85.0	85.0	89.3	89.7	92.3	97.5
GE 600	25.1	69.0	71.2	71.2	76.1	76.4	80.0	80.4	80.4	84.4	85.1	85.1	88.4	88.8	92.4	97.6
GE 500	25.1	69.0	71.2	71.2	76.1	76.4	80.1	80.4	80.5	84.6	85.3	85.3	88.7	89.1	92.8	98.2
GE 400	25.1	69.0	71.2	71.2	76.1	76.4	80.2	80.5	80.5	84.7	85.3	85.3	88.7	89.2	92.9	98.3
GE 300	25.1	69.0	71.2	71.2	76.1	76.4	80.2	80.5	80.5	84.7	85.3	85.3	88.7	89.2	92.9	98.5
GE 200	25.1	69.0	71.2	71.2	76.1	76.4	80.2	80.5	80.6	84.8	85.4	85.4	89.1	89.5	93.4	99.1
GE 100	25.1	69.0	71.2	71.2	76.1	76.4	80.2	80.5	80.6	84.8	85.4	85.4	89.1	89.5	93.5	99.8
GE 000	25.1	69.0	71.2	71.2	76.1	76.4	80.2	80.5	80.6	84.8	85.4	85.4	89.1	89.5	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1614

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	14.2	37.2	37.7	37.7	38.4	38.4	38.8	38.8	38.8	39.5	39.8	40.0	41.4	41.4	42.6	44.2	
GE 20000	14.2	37.7	38.1	38.1	38.8	38.8	39.3	39.3	39.3	40.0	40.2	40.5	41.9	41.9	43.0	44.7	
GE 18000	14.2	37.7	38.1	38.1	38.8	38.8	39.3	39.3	39.3	40.0	40.2	40.5	41.9	41.9	43.0	44.7	
GE 16000	14.2	37.7	38.1	38.1	38.8	38.8	39.3	39.3	39.3	40.0	40.2	40.5	41.9	41.9	43.0	44.7	
GE 14000	14.2	37.9	38.4	38.4	39.1	39.1	39.5	39.5	39.5	40.2	40.5	40.7	42.1	42.1	43.3	44.9	
GE 12000	14.2	37.9	38.4	38.4	39.1	39.1	39.5	39.5	39.5	40.2	40.5	40.7	42.1	42.1	43.3	44.9	
GE 10000	14.2	38.1	38.6	38.6	39.3	39.3	39.8	39.8	39.8	40.5	40.7	40.9	42.3	42.3	43.5	45.1	
GE 9000	14.2	38.1	38.6	38.6	39.3	39.3	39.8	39.8	39.8	40.5	40.7	40.9	42.3	42.3	43.5	45.1	
GE 8000	14.2	38.4	38.8	38.8	39.5	39.5	40.0	40.0	40.0	40.7	40.9	41.2	42.6	42.6	43.7	45.3	
GE 7000	14.9	39.3	40.0	40.0	40.7	40.7	41.2	41.2	41.2	41.9	42.1	42.3	44.0	44.0	45.1	46.7	
GE 6000	14.9	40.0	40.7	40.7	41.4	41.4	41.9	41.9	41.9	42.6	42.8	43.0	44.7	44.7	45.8	47.4	
GE 5000	15.8	42.1	42.8	42.8	43.5	43.5	44.0	44.0	44.0	44.7	44.9	45.1	46.7	46.7	47.9	49.5	
GE 4500	15.8	42.1	42.8	42.8	43.5	43.5	44.0	44.0	44.0	44.7	44.9	45.1	46.7	46.7	47.9	49.5	
GE 4000	16.3	42.6	43.3	43.3	44.0	44.0	44.4	44.4	44.4	45.1	45.3	45.6	47.2	47.2	48.4	50.0	
GE 3500	16.3	42.6	43.3	43.3	44.0	44.0	44.4	44.4	44.4	45.1	45.3	45.6	47.2	47.2	48.4	50.0	
GE 3000	16.3	43.0	43.7	43.7	44.7	44.7	45.1	45.1	45.1	45.8	46.3	46.5	48.1	48.1	49.3	50.9	
GE 2500	17.0	45.1	46.0	46.0	47.0	47.0	47.4	47.4	47.4	48.1	48.6	48.8	50.5	50.5	51.6	53.3	
GE 2000	17.2	50.7	51.6	51.6	53.0	53.0	53.5	53.5	53.5	54.2	54.7	54.9	56.5	56.5	57.7	59.3	
GE 1800	17.2	50.7	51.6	51.6	53.0	53.0	53.5	53.5	53.5	54.2	54.7	54.9	56.5	56.5	57.7	59.3	
GE 1500	18.1	53.7	54.7	54.7	56.3	56.3	56.7	56.7	56.7	57.4	57.9	58.1	59.8	59.8	60.9	62.6	
GE 1200	23.3	65.1	66.0	66.0	68.6	68.6	69.3	69.3	69.3	70.9	71.4	71.6	74.0	74.0	75.6	77.4	
GE 1000	26.0	75.8	77.4	77.4	80.7	80.7	81.6	81.6	81.6	84.7	85.1	85.3	87.9	87.9	89.5	91.9	
GE 900	26.0	75.8	77.7	77.7	80.9	80.9	81.9	81.9	81.9	85.1	85.6	85.8	88.4	88.4	90.0	92.3	
GE 800	26.0	76.0	77.9	77.9	81.4	81.4	82.6	82.6	82.6	85.8	86.3	86.5	89.5	89.5	91.2	93.7	
GE 700	26.5	77.4	79.3	79.3	82.8	82.8	84.0	84.0	84.0	87.4	87.9	88.1	91.2	91.2	93.3	95.8	
GE 600	26.5	77.4	79.3	79.3	82.8	82.8	84.0	84.0	84.0	87.4	87.9	88.1	91.2	91.2	93.3	95.8	
GE 500	26.5	77.4	79.3	79.3	82.8	82.8	84.0	84.0	84.0	87.4	87.9	88.1	91.2	91.2	93.3	95.8	
GE 400	27.0	78.1	80.0	80.0	83.5	83.5	84.7	84.7	84.7	88.1	88.8	89.1	92.3	92.3	94.9	97.4	
GE 300	27.0	78.1	80.0	80.0	83.5	83.5	84.7	84.7	84.7	88.1	88.8	89.1	92.3	92.3	94.9	97.4	
GE 200	27.0	78.1	80.0	80.0	83.5	83.5	84.7	84.7	84.7	88.1	88.8	89.1	92.8	92.8	95.3	98.1	
GE 100	27.0	78.1	80.0	80.0	83.5	83.5	84.7	84.7	84.7	88.1	88.8	89.1	92.8	92.8	96.3	99.5	
GE 000	27.0	78.1	80.0	80.0	83.5	83.5	84.7	84.7	84.7	88.1	88.8	89.1	93.0	93.0	96.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 430

D - 2 - 21

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.6	29.0	29.5	29.5	30.2	30.2	31.4	31.7	31.7	32.9	33.2	33.2	34.4	34.9	36.1	36.9
GE 20000	12.9	30.0	30.4	30.4	31.2	31.2	32.4	32.7	32.7	33.9	34.2	34.2	35.4	35.9	37.1	37.9
GE 18000	12.9	30.2	30.7	30.7	31.4	31.4	32.7	32.9	32.9	34.2	34.4	34.4	35.6	36.1	37.4	38.1
GE 16000	12.9	30.2	30.7	30.7	31.4	31.4	32.7	32.9	32.9	34.2	34.4	34.4	35.6	36.1	37.4	38.1
GE 14000	12.9	30.4	30.9	30.9	31.7	31.7	32.9	33.2	33.2	34.4	34.7	34.7	35.9	36.4	37.6	38.4
GE 12000	12.9	30.4	30.9	30.9	31.7	31.7	32.9	33.2	33.2	34.4	34.7	34.7	35.9	36.4	37.6	38.4
GE 10000	13.9	31.9	32.4	32.4	33.2	33.2	34.4	34.7	34.7	35.9	36.1	36.1	37.4	37.9	39.1	39.9
GE 9000	13.9	31.9	32.4	32.4	33.2	33.2	34.4	34.7	34.7	35.9	36.1	36.1	37.4	37.9	39.1	39.9
GE 8000	14.1	32.4	32.9	32.9	33.7	33.7	34.9	35.1	35.1	36.4	36.6	36.6	37.9	38.4	39.6	40.3
GE 7000	14.1	32.9	33.4	33.4	34.2	34.2	35.4	35.6	35.6	36.9	37.1	37.1	38.4	38.9	40.3	41.1
GE 6000	14.1	33.2	33.7	33.7	34.4	34.4	35.6	35.9	35.9	37.1	37.4	37.4	38.6	39.1	40.6	41.3
GE 5000	14.4	35.1	35.6	35.6	36.4	36.4	37.6	37.9	37.9	39.1	39.4	39.4	40.6	41.1	42.6	43.3
GE 4500	14.4	35.1	35.6	35.6	36.4	36.4	37.6	37.9	37.9	39.1	39.4	39.4	40.6	41.1	42.6	43.3
GE 4000	15.1	36.4	36.9	36.9	37.6	37.6	38.9	39.1	39.1	40.3	40.6	40.6	41.8	42.3	43.8	44.6
GE 3500	15.1	36.6	37.1	37.1	37.9	37.9	39.1	39.4	39.4	40.6	40.8	40.8	42.1	42.6	44.1	44.8
GE 3000	15.6	38.6	39.1	39.1	39.9	39.9	41.1	41.3	41.3	42.6	42.8	42.8	44.1	44.6	46.0	46.8
GE 2500	16.8	41.3	41.8	41.8	42.8	42.8	44.3	44.6	44.6	46.0	46.3	46.3	47.5	48.0	49.5	50.2
GE 2000	17.8	47.8	48.3	48.3	49.3	49.3	51.0	51.2	51.2	52.7	53.0	53.0	54.2	54.7	56.2	56.9
GE 1800	17.8	47.8	48.3	48.3	49.3	49.3	51.0	51.2	51.2	52.7	53.0	53.0	54.2	54.7	56.2	56.9
GE 1500	19.3	53.7	54.2	54.2	55.4	55.4	57.2	57.4	57.4	58.9	59.2	59.2	60.6	61.1	62.6	63.6
GE 1200	24.0	63.1	64.1	64.1	67.1	67.1	69.8	70.3	70.3	72.3	72.5	72.5	74.5	75.0	77.2	78.5
GE 1000	26.7	71.8	73.0	73.0	76.5	76.5	80.4	80.9	80.9	82.9	83.2	83.2	85.9	86.4	89.1	90.3
GE 900	26.7	71.8	73.3	73.3	76.7	76.7	80.7	81.2	81.2	83.2	83.4	83.4	86.1	86.6	89.4	90.6
GE 800	27.2	72.8	74.3	74.3	77.7	77.7	81.7	82.4	82.4	84.4	84.7	84.7	87.6	88.1	91.3	92.6
GE 700	28.2	74.8	76.5	76.5	80.0	80.0	83.9	84.7	84.7	86.6	86.9	86.9	90.1	90.6	93.8	95.0
GE 600	28.2	75.0	76.7	76.7	80.4	80.4	84.4	85.1	85.1	87.1	87.4	87.4	90.6	91.1	94.3	95.5
GE 500	28.2	75.0	76.7	76.7	80.4	80.4	84.4	85.1	85.1	87.1	87.4	87.4	90.6	91.1	94.6	95.8
GE 400	28.5	75.7	77.5	77.5	81.4	81.4	85.4	86.1	86.1	88.4	88.6	88.6	92.1	92.6	96.3	97.5
GE 300	28.5	75.7	77.5	77.5	81.4	81.4	85.4	86.1	86.1	88.4	88.6	88.6	92.1	92.6	96.5	97.8
GE 200	28.5	75.7	77.5	77.5	81.4	81.4	85.6	86.4	86.4	88.6	88.9	88.9	92.3	92.8	97.0	98.5
GE 100	28.5	75.7	77.5	77.5	81.4	81.4	85.6	86.4	86.4	88.6	88.9	88.9	92.3	92.8	97.8	99.8
GE 000	28.5	75.7	77.5	77.5	81.4	81.4	85.6	86.4	86.4	88.6	88.9	88.9	92.3	92.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 404

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	14.9	35.2	35.9	35.9	36.9	36.9	37.6	37.6	37.6	38.8	38.8	38.8	39.3	39.3	41.0	41.7	
GE 20000	14.9	35.2	35.9	35.9	36.9	36.9	37.6	37.6	37.6	38.8	38.8	38.8	39.3	39.3	41.0	41.7	
GE 18000	15.4	35.7	36.4	36.4	37.3	37.3	38.1	38.1	38.1	39.3	39.3	39.3	39.8	39.8	41.4	42.2	
GE 16000	15.4	35.7	36.4	36.4	37.3	37.3	38.1	38.1	38.1	39.3	39.3	39.3	39.8	39.8	41.4	42.2	
GE 14000	15.4	35.9	36.6	36.6	37.6	37.6	38.3	38.3	38.3	39.5	39.5	39.5	40.0	40.0	41.7	42.4	
GE 12000	15.4	35.9	36.6	36.6	37.6	37.6	38.3	38.3	38.3	39.5	39.5	39.5	40.0	40.0	41.7	42.4	
GE 10000	15.7	36.9	37.6	37.6	38.6	38.6	39.3	39.3	39.3	40.5	40.5	40.5	41.0	41.0	42.7	43.4	
GE 9000	15.7	36.9	37.6	37.6	38.6	38.6	39.3	39.3	39.3	40.5	40.5	40.5	41.0	41.0	42.7	43.4	
GE 8000	16.4	38.3	39.0	39.0	40.0	40.0	40.7	40.7	40.7	41.9	41.9	41.9	42.4	42.4	44.1	44.8	
GE 7000	17.1	39.8	40.5	40.5	41.4	41.4	42.2	42.2	42.2	43.4	43.4	43.4	43.9	43.9	45.5	46.3	
GE 6000	17.1	40.0	40.7	40.7	41.7	41.7	42.4	42.4	42.4	43.6	43.6	43.6	44.1	44.1	45.8	46.5	
GE 5000	17.3	41.0	41.9	41.9	42.9	42.9	43.9	43.9	43.9	45.1	45.1	45.1	45.5	45.5	47.2	48.0	
GE 4500	17.3	41.0	41.9	41.9	42.9	42.9	43.9	43.9	43.9	45.1	45.1	45.1	45.5	45.5	47.2	48.0	
GE 4000	17.6	41.9	42.9	42.9	43.9	43.9	44.8	44.8	44.8	46.0	46.0	46.0	46.5	46.5	48.2	48.9	
GE 3500	17.6	42.4	43.4	43.4	44.3	44.3	45.3	45.3	45.3	46.5	46.5	46.5	47.0	47.0	48.7	49.4	
GE 3000	17.8	43.6	44.6	44.6	45.5	45.5	46.5	46.5	46.5	48.0	48.0	48.0	48.4	48.4	50.1	50.8	
GE 2500	20.7	48.9	49.9	49.9	51.1	51.1	52.0	52.0	52.0	53.5	53.5	53.5	54.0	54.0	55.7	56.4	
GE 2000	21.2	55.7	56.6	56.6	58.1	58.1	59.0	59.3	59.3	60.7	60.7	60.7	61.4	61.4	63.1	63.9	
GE 1800	21.2	55.7	56.6	56.6	58.1	58.1	59.0	59.3	59.3	60.7	60.7	60.7	61.4	61.4	63.1	63.9	
GE 1500	21.9	58.8	59.8	59.8	61.4	61.4	62.4	62.7	62.7	64.1	64.1	64.1	64.8	64.8	66.5	67.2	
GE 1200	28.2	69.2	70.6	70.6	72.8	72.8	74.2	74.7	74.7	76.4	76.4	76.6	77.6	77.6	79.5	80.5	
GE 1000	31.3	77.8	79.8	79.8	82.7	82.7	84.8	85.3	85.3	87.5	87.5	87.7	88.9	88.9	91.1	92.8	
GE 900	31.3	77.8	79.8	79.8	82.7	82.7	84.8	85.3	85.3	87.5	87.5	87.7	88.9	88.9	91.1	92.8	
GE 800	31.6	78.3	80.5	80.5	83.4	83.4	85.8	86.3	86.3	88.4	88.4	88.7	90.1	90.1	92.5	94.2	
GE 700	32.5	80.0	82.2	82.2	85.1	85.1	87.7	88.2	88.2	90.4	90.4	90.6	92.3	92.3	94.7	96.4	
GE 600	32.5	80.2	82.4	82.4	85.3	85.3	88.0	88.4	88.4	90.6	90.6	90.8	92.5	92.5	94.9	96.6	
GE 500	32.5	80.5	82.7	82.7	85.5	85.5	88.2	88.7	88.7	90.8	90.8	91.1	92.8	92.8	95.2	96.9	
GE 400	33.3	81.7	83.9	83.9	86.7	86.7	89.4	90.1	90.1	92.3	92.3	92.5	94.2	94.2	96.6	98.3	
GE 300	33.3	81.7	83.9	83.9	86.7	86.7	89.4	90.1	90.1	92.5	92.5	92.8	94.7	94.7	97.1	98.8	
GE 200	33.3	81.7	83.9	83.9	86.7	86.7	89.4	90.1	90.1	92.5	92.5	92.8	94.7	94.7	97.1	98.8	
GE 100	33.3	81.7	83.9	83.9	86.7	86.7	89.4	90.1	90.1	92.5	92.5	92.8	94.7	94.7	97.8	100.0	
GE 000	33.3	81.7	83.9	83.9	86.7	86.7	89.4	90.1	90.1	92.5	92.5	92.8	94.7	94.7	97.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 415

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	16.0	36.9	37.6	37.6	37.9	37.9	38.6	38.6	38.6	38.6	39.1	39.1	40.0	40.0	41.2	42.4	
GE 20000	16.7	39.3	40.0	40.0	40.2	40.2	40.9	40.9	40.9	40.9	41.4	41.4	42.4	42.4	43.5	44.7	
GE 18000	16.7	39.5	40.2	40.2	40.5	40.5	41.2	41.2	41.2	41.2	41.6	41.6	42.6	42.6	43.8	44.9	
GE 16000	16.7	39.5	40.2	40.2	40.5	40.5	41.2	41.2	41.2	41.2	41.6	41.6	42.6	42.6	43.8	44.9	
GE 14000	16.7	39.5	40.2	40.2	40.5	40.5	41.2	41.2	41.2	41.2	41.6	41.6	42.6	42.6	43.8	44.9	
GE 12000	16.7	39.5	40.2	40.2	40.5	40.5	41.2	41.2	41.2	41.2	41.6	41.6	42.6	42.6	43.8	44.9	
GE 10000	17.9	41.2	41.9	41.9	42.1	42.1	42.8	42.8	42.8	42.8	43.3	43.3	44.2	44.2	45.4	46.6	
GE 9000	17.9	41.2	41.9	41.9	42.1	42.1	42.8	42.8	42.8	42.8	43.3	43.3	44.2	44.2	45.4	46.6	
GE 8000	17.9	41.9	42.6	42.6	42.8	42.8	43.5	43.5	43.5	43.5	44.0	44.0	44.9	44.9	46.1	47.3	
GE 7000	18.4	42.4	43.1	43.1	43.3	43.3	44.0	44.0	44.0	44.0	44.5	44.5	45.4	45.4	46.6	47.8	
GE 6000	18.4	42.6	43.3	43.3	43.5	43.5	44.2	44.2	44.2	44.2	44.7	44.7	45.6	45.6	46.8	48.0	
GE 5000	18.8	44.7	45.4	45.4	45.6	45.6	46.4	46.4	46.4	46.4	46.8	46.8	47.8	47.8	48.9	50.1	
GE 4500	18.8	44.9	45.6	45.6	45.9	45.9	46.6	46.6	46.6	46.6	47.1	47.1	48.0	48.0	49.2	50.4	
GE 4000	18.8	46.4	47.1	47.1	47.3	47.3	48.0	48.0	48.0	48.0	48.5	48.5	49.4	49.4	50.6	51.8	
GE 3500	18.8	46.6	47.3	47.3	47.5	47.5	48.2	48.2	48.2	48.2	48.7	48.7	49.6	49.6	50.8	52.0	
GE 3000	19.1	48.0	48.7	48.7	49.2	49.2	49.9	49.9	49.9	49.9	50.4	50.4	51.3	51.3	52.5	53.6	
GE 2500	21.4	52.2	52.9	52.9	53.4	53.4	54.1	54.1	54.1	54.1	54.6	54.6	55.5	55.5	56.7	57.9	
GE 2000	21.4	57.9	58.8	58.8	59.3	59.3	60.0	60.0	60.0	60.0	60.5	60.5	61.4	61.4	62.6	63.8	
GE 1800	21.4	58.1	59.1	59.1	59.5	59.5	60.2	60.2	60.2	60.2	60.9	60.9	61.9	61.9	63.1	64.2	
GE 1500	22.8	60.7	61.9	61.9	62.4	62.4	63.1	63.1	63.1	63.1	63.8	63.8	64.7	64.7	65.9	67.1	
GE 1200	29.6	72.0	73.2	73.2	74.4	74.4	75.8	75.8	75.8	76.2	76.7	76.7	77.6	77.6	78.8	80.0	
GE 1000	32.0	78.8	81.2	81.2	82.8	82.8	84.7	84.7	84.7	84.7	85.9	86.4	86.4	87.3	87.3	88.5	90.1
GE 900	32.0	78.8	81.2	81.2	82.8	82.8	84.7	84.7	84.7	84.7	85.9	86.4	86.4	87.3	87.3	88.5	90.1
GE 800	32.7	79.3	81.9	81.9	83.5	83.5	85.4	85.4	85.4	85.4	86.8	87.3	87.3	88.5	88.5	89.9	91.5
GE 700	33.4	81.2	83.5	83.5	85.2	85.2	87.1	87.1	87.1	87.1	88.5	88.9	88.9	90.1	90.1	91.5	93.2
GE 600	33.4	81.4	83.8	83.8	85.4	85.4	87.3	87.3	87.3	87.3	88.7	89.2	89.2	90.4	90.4	91.8	93.4
GE 500	33.9	82.6	84.9	84.9	86.6	86.6	88.7	88.7	88.7	88.7	90.1	90.6	90.6	91.8	91.8	93.4	95.1
GE 400	34.6	83.5	85.9	85.9	87.8	87.8	89.9	89.9	89.9	89.9	91.3	91.8	91.8	92.9	92.9	94.8	96.5
GE 300	34.8	83.8	86.1	86.1	88.0	88.0	90.1	90.1	90.1	90.1	91.5	92.0	92.0	93.2	93.2	95.1	96.7
GE 200	35.1	84.2	86.6	86.6	88.5	88.5	90.6	90.6	90.6	90.6	92.0	92.5	92.5	93.6	93.6	96.0	97.9
GE 100	35.1	84.2	86.6	86.6	88.5	88.5	90.6	90.6	90.6	90.6	92.0	92.5	92.5	93.6	93.6	96.9	100.0
GE 000	35.1	84.2	86.6	86.6	88.5	88.5	90.6	90.6	90.6	90.6	92.0	92.5	92.5	93.6	93.6	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 425

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.5	34.6	35.2	35.2	35.9	35.9	36.7	36.7	36.7	37.5	37.8	37.8	38.8	38.9	40.3	41.3
GE 20000	14.7	35.6	36.2	36.2	36.9	36.9	37.6	37.7	37.7	38.5	38.7	38.8	39.8	39.9	41.2	42.3
GE 18000	14.8	35.8	36.4	36.4	37.1	37.1	37.9	37.9	37.9	38.7	38.9	39.0	40.0	40.1	41.5	42.5
GE 16000	14.8	35.8	36.4	36.4	37.1	37.1	37.9	37.9	37.9	38.7	38.9	39.0	40.0	40.1	41.5	42.5
GE 14000	14.8	36.0	36.6	36.6	37.3	37.3	38.1	38.1	38.1	38.9	39.1	39.2	40.2	40.3	41.6	42.7
GE 12000	14.8	36.0	36.6	36.6	37.3	37.3	38.1	38.1	38.1	38.9	39.1	39.2	40.2	40.3	41.6	42.7
GE 10000	15.4	37.1	37.7	37.7	38.4	38.4	39.1	39.2	39.2	40.0	40.2	40.3	41.3	41.4	42.7	43.8
GE 9000	15.4	37.1	37.7	37.7	38.4	38.4	39.1	39.2	39.2	40.0	40.2	40.3	41.3	41.4	42.7	43.8
GE 8000	15.7	37.8	38.4	38.4	39.1	39.1	39.8	39.9	39.9	40.7	40.9	41.0	42.0	42.1	43.4	44.5
GE 7000	16.1	38.6	39.3	39.3	40.0	40.0	40.7	40.8	40.8	41.6	41.8	41.9	43.0	43.1	44.4	45.5
GE 6000	16.1	39.0	39.7	39.7	40.3	40.3	41.1	41.2	41.2	41.9	42.2	42.2	43.3	43.4	44.8	45.9
GE 5000	16.6	40.8	41.5	41.5	42.2	42.2	43.0	43.1	43.1	43.8	44.1	44.1	45.2	45.3	46.7	47.8
GE 4500	16.6	40.9	41.6	41.6	42.2	42.2	43.1	43.1	43.1	43.9	44.1	44.2	45.3	45.4	46.8	47.8
GE 4000	17.0	41.9	42.6	42.6	43.2	43.2	44.1	44.1	44.1	44.9	45.2	45.2	46.3	46.4	47.8	48.9
GE 3500	17.0	42.1	42.8	42.8	43.5	43.5	44.3	44.4	44.4	45.2	45.4	45.5	46.5	46.7	48.0	49.1
GE 3000	17.2	43.4	44.1	44.1	44.9	44.9	45.7	45.8	45.8	46.6	46.9	47.0	48.0	48.1	49.5	50.6
GE 2500	19.0	47.0	47.7	47.7	48.6	48.6	49.5	49.6	49.6	50.5	50.8	50.8	51.9	52.0	53.4	54.5
GE 2000	19.4	53.0	53.9	53.9	55.0	55.0	55.9	56.0	56.0	56.9	57.2	57.3	58.4	58.5	59.9	61.0
GE 1800	19.4	53.1	53.9	53.9	55.0	55.0	56.0	56.1	56.1	57.0	57.3	57.4	58.5	58.7	60.0	61.1
GE 1500	20.5	56.8	57.6	57.6	58.9	58.9	59.9	60.0	60.0	60.9	61.2	61.3	62.5	62.6	64.0	65.1
GE 1200	26.3	67.4	68.5	68.5	70.7	70.7	72.3	72.5	72.5	74.0	74.3	74.4	75.9	76.0	77.8	79.1
GE 1000	29.0	76.1	77.9	77.9	80.7	80.7	82.9	83.2	83.2	85.2	85.5	85.7	87.5	87.6	89.5	91.3
GE 900	29.0	76.1	78.0	78.0	80.8	80.8	83.0	83.3	83.3	85.4	85.7	85.8	87.7	87.8	89.7	91.5
GE 800	29.4	76.7	78.7	78.7	81.5	81.5	83.9	84.2	84.2	86.4	86.7	86.8	88.9	89.1	91.2	93.0
GE 700	30.2	78.4	80.4	80.4	83.3	83.3	85.7	86.0	86.0	88.2	88.5	88.6	90.9	91.0	93.3	95.1
GE 600	30.2	78.6	80.6	80.6	83.5	83.5	85.9	86.2	86.2	88.5	88.8	88.9	91.2	91.3	93.5	95.3
GE 500	30.3	78.9	80.9	80.9	83.9	83.9	86.3	86.6	86.6	88.9	89.2	89.3	91.6	91.7	94.1	95.9
GE 400	30.8	79.8	81.8	81.8	84.9	84.9	87.3	87.7	87.7	90.0	90.4	90.5	92.9	93.0	95.6	97.4
GE 300	30.9	79.9	81.9	81.9	84.9	84.9	87.4	87.8	87.8	90.1	90.5	90.6	93.1	93.2	95.9	97.7
GE 200	30.9	80.0	82.0	82.0	85.1	85.1	87.6	87.9	87.9	90.3	90.7	90.8	93.4	93.5	96.4	98.3
GE 100	30.9	80.0	82.0	82.0	85.1	85.1	87.6	87.9	87.9	90.3	90.7	90.8	93.4	93.5	97.2	99.8
GE 000	30.9	80.0	82.0	82.0	85.1	85.1	87.6	87.9	87.9	90.3	90.7	90.8	93.4	93.5	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1674

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	15.2	31.4	31.6	31.6	31.9	31.9	31.9	31.9	31.9	32.3	32.6	32.6	33.7	33.9	35.6	35.8		
GE 20000	15.5	31.9	32.1	32.1	32.3	32.3	32.3	32.3	32.3	33.0	33.3	33.3	34.6	34.9	36.5	36.7		
GE 18000	15.5	32.1	32.3	32.3	32.6	32.6	32.6	32.6	32.6	33.3	33.5	33.5	34.9	35.1	36.7	37.0		
GE 16000	15.7	32.3	32.6	32.6	32.8	32.8	32.8	32.8	32.8	33.5	33.7	33.7	35.1	35.3	37.0	37.2		
GE 14000	15.7	32.6	32.8	32.8	33.0	33.0	33.0	33.0	33.0	33.7	33.9	33.9	35.3	35.6	37.2	37.4		
GE 12000	15.7	32.8	33.0	33.0	33.3	33.3	33.3	33.3	33.3	33.9	34.2	34.2	35.6	35.8	37.4	37.6		
GE 10000	17.3	34.9	35.1	35.1	35.3	35.3	35.3	35.3	35.3	36.0	36.3	36.3	37.6	37.9	39.5	39.7		
GE 9000	17.3	35.6	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.7	37.0	37.0	38.3	38.6	40.2	40.4		
GE 8000	17.6	36.7	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.9	38.1	38.1	39.5	39.7	41.3	41.6		
GE 7000	18.7	38.8	39.0	39.0	39.3	39.3	39.3	39.3	39.3	40.0	40.2	40.2	41.6	41.8	43.4	43.6		
GE 6000	18.7	39.3	39.5	39.5	39.7	39.7	39.7	39.7	39.7	40.4	40.6	40.6	42.0	42.3	43.9	44.1		
GE 5000	19.6	42.3	42.5	42.5	42.7	42.7	42.7	42.7	42.7	43.4	43.6	43.6	45.0	45.3	46.9	47.1		
GE 4500	19.6	42.3	42.5	42.5	42.7	42.7	42.7	42.7	42.7	43.4	43.6	43.6	45.0	45.3	46.9	47.1		
GE 4000	20.8	43.6	43.9	43.9	44.1	44.1	44.1	44.1	44.1	45.0	45.3	45.3	46.7	46.9	48.5	48.7		
GE 3500	20.8	43.6	43.9	43.9	44.1	44.1	44.1	44.1	44.1	45.0	45.3	45.3	46.7	46.9	48.5	48.7		
GE 3000	21.2	45.3	45.5	45.5	45.7	45.7	46.0	46.0	46.0	46.9	47.1	47.1	48.5	48.7	50.3	50.6		
GE 2500	24.5	49.7	49.9	49.9	50.1	50.1	50.3	50.3	50.3	51.3	51.5	51.5	52.9	53.1	54.7	55.0		
GE 2000	25.6	56.1	56.6	56.6	56.8	56.8	57.0	57.0	57.0	58.0	58.2	58.2	59.6	59.8	61.4	61.7		
GE 1800	25.6	56.1	56.6	56.6	56.8	56.8	57.0	57.0	57.0	58.0	58.2	58.2	59.6	59.8	61.4	61.7		
GE 1500	26.6	58.2	58.7	58.7	59.4	59.4	59.6	59.6	59.6	60.5	60.7	60.7	62.1	64.0	64.4			
GE 1200	32.6	69.7	70.4	70.4	71.6	71.6	72.1	72.1	72.1	73.2	73.7	73.7	75.1	75.3	77.1	77.6		
GE 1000	35.6	77.6	78.5	78.5	80.4	80.4	82.0	82.0	82.0	83.6	84.1	84.1	85.7	85.9	87.8	88.2		
GE 900	35.6	77.6	78.5	78.5	80.4	80.4	82.0	82.0	82.0	83.6	84.1	84.1	85.7	85.9	87.8	88.2		
GE 800	36.3	79.2	80.4	80.4	82.4	82.4	84.1	84.1	84.1	86.1	86.6	86.6	88.2	88.5	90.3	90.8		
GE 700	37.0	80.1	81.3	81.3	84.1	84.1	85.7	85.7	85.7	87.8	88.2	88.2	90.1	90.3	92.4	92.8		
GE 600	37.0	80.4	81.5	81.5	84.3	84.3	85.9	85.9	85.9	88.0	88.5	88.5	90.3	90.5	92.8	93.3		
GE 500	37.0	81.1	82.2	82.2	85.2	85.2	86.8	86.8	86.8	89.1	89.6	89.6	91.5	91.7	94.0	94.5		
GE 400	37.0	81.5	82.7	82.7	85.7	85.7	87.3	87.3	87.3	89.6	90.1	90.1	92.1	92.4	94.7	95.2		
GE 300	37.0	81.8	82.9	82.9	85.9	85.9	87.5	87.5	87.5	89.8	90.3	90.3	92.4	92.6	95.4	95.8		
GE 200	37.0	81.8	82.9	82.9	85.9	85.9	87.5	87.5	87.5	89.8	90.3	90.3	92.8	93.1	96.1	97.7		
GE 100	37.0	81.8	82.9	82.9	85.9	85.9	87.5	87.5	87.5	89.8	90.3	90.3	92.8	93.1	97.0	99.8		
GE 000	37.0	81.8	82.9	82.9	85.9	85.9	87.5	87.5	87.5	89.8	90.3	90.3	92.8	93.1	97.0	100.0		

TOTAL NUMBER OF OBSERVATIONS 433

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.0	27.2	27.2	27.2	27.4	27.4	27.9	27.9	27.9	27.9	27.9	27.9	28.4	28.4	29.4	29.9
GE 20000	13.2	28.9	28.9	28.9	29.2	29.2	29.7	29.7	29.7	29.7	29.7	29.7	30.2	30.2	31.2	31.7
GE 18000	13.2	28.9	28.9	28.9	29.2	29.2	29.7	29.7	29.7	29.7	29.7	29.7	30.2	30.2	31.2	31.7
GE 16000	13.2	28.9	28.9	28.9	29.2	29.2	29.7	29.7	29.7	29.7	29.7	29.7	30.2	30.2	31.2	31.7
GE 14000	13.2	29.4	29.4	29.4	29.7	29.7	30.2	30.2	30.2	30.2	30.2	30.2	30.7	30.7	31.7	32.2
GE 12000	13.2	29.4	29.4	29.4	29.7	29.7	30.2	30.2	30.2	30.2	30.2	30.2	30.7	30.7	31.7	32.2
GE 10000	14.2	31.7	31.7	31.7	31.9	31.9	32.4	32.4	32.4	32.4	32.4	32.4	32.9	32.9	33.9	34.7
GE 9000	14.2	31.9	31.9	31.9	32.2	32.2	32.7	32.7	32.7	32.7	32.7	32.7	33.2	33.2	34.2	34.9
GE 8000	14.5	32.2	32.2	32.2	32.4	32.4	32.9	32.9	32.9	32.9	32.9	32.9	33.4	33.4	34.4	35.2
GE 7000	15.2	33.4	33.7	33.7	33.9	33.9	34.4	34.4	34.4	34.4	34.4	34.4	34.9	34.9	35.9	36.7
GE 6000	15.5	34.4	34.7	34.7	34.9	34.9	35.4	35.4	35.4	35.4	35.4	35.4	35.9	35.9	36.9	37.7
GE 5000	17.2	37.7	37.9	37.9	38.2	38.2	38.7	38.7	38.7	38.7	38.7	38.7	39.2	39.2	40.1	40.9
GE 4500	17.2	37.7	37.9	37.9	38.2	38.2	38.7	38.7	38.7	38.7	38.7	38.7	39.2	39.2	40.1	40.9
GE 4000	19.2	40.4	40.6	40.6	40.9	40.9	41.4	41.4	41.4	41.4	41.4	41.4	41.9	41.9	42.9	43.6
GE 3500	19.2	40.4	40.6	40.6	40.9	40.9	41.4	41.4	41.4	41.4	41.4	41.4	41.9	41.9	42.9	43.6
GE 3000	19.2	41.1	41.4	41.4	41.6	41.6	42.1	42.1	42.1	42.1	42.1	42.1	42.6	42.6	43.6	44.4
GE 2500	21.4	44.1	44.4	44.4	44.6	44.6	45.4	45.4	45.4	45.4	45.4	45.4	45.9	45.9	46.9	47.6
GE 2000	22.2	50.6	50.9	50.9	51.4	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.9	52.9	53.9	54.6
GE 1800	22.2	50.6	50.9	50.9	51.4	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.9	52.9	53.9	54.6
GE 1500	23.9	55.6	55.9	55.9	56.4	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.9	57.9	58.9	59.6
GE 1200	30.7	67.3	67.8	67.8	69.1	69.1	70.3	70.3	70.3	70.3	70.3	70.3	71.1	71.1	72.1	72.8
GE 1000	35.4	78.3	79.1	79.1	80.3	80.3	81.8	81.8	81.8	82.0	82.0	82.0	82.8	82.8	83.8	84.5
GE 900	35.4	78.3	79.1	79.1	80.3	80.3	81.8	81.8	81.8	82.0	82.0	82.0	82.8	82.8	83.8	84.5
GE 800	35.7	79.3	80.3	80.3	81.5	81.5	83.3	83.3	83.3	83.8	84.0	84.0	85.0	85.0	86.0	87.0
GE 700	35.9	80.5	81.5	81.5	84.0	84.0	86.3	86.3	86.3	86.8	87.0	87.0	88.3	88.3	89.3	90.3
GE 600	35.9	80.8	81.8	81.8	84.5	84.5	86.8	86.8	86.8	87.3	87.5	87.5	88.8	88.8	89.8	90.8
GE 500	36.2	82.5	83.8	83.8	86.5	86.5	89.0	89.0	89.0	89.5	89.8	89.8	91.3	91.3	92.3	93.3
GE 400	36.2	83.5	85.0	85.0	88.3	88.3	91.3	91.3	91.3	92.3	92.5	92.5	94.0	94.0	95.0	96.0
GE 300	36.2	83.5	85.0	85.0	88.5	88.5	91.5	91.5	91.5	92.8	93.0	93.0	94.8	95.0	96.0	97.5
GE 200	36.2	83.5	85.0	85.0	88.5	88.5	91.5	91.5	91.5	92.8	93.0	93.0	95.5	95.8	96.8	98.8
GE 100	36.2	83.5	85.0	85.0	88.5	88.5	91.5	91.5	91.5	92.8	93.0	93.0	95.5	95.8	97.3	100.0
GE 000	36.2	83.5	85.0	85.0	88.5	88.5	91.5	91.5	91.5	92.8	93.0	93.0	95.5	95.8	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 401

D - 2 - 27

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.5	35.9	36.2	36.2	36.4	36.4	36.7	36.7	36.7	36.9	36.9	36.9	37.2	37.2	37.2	37.2
GE 20000	16.0	37.2	37.4	37.4	37.7	37.7	37.9	37.9	37.9	38.2	38.2	38.2	38.4	38.4	38.4	38.4
GE 18000	16.0	37.2	37.4	37.4	37.7	37.7	37.9	37.9	37.9	38.2	38.2	38.2	38.4	38.4	38.4	38.4
GE 16000	16.2	37.4	37.7	37.7	37.9	37.9	38.2	38.2	38.2	38.4	38.4	38.4	38.7	38.7	38.7	38.7
GE 14000	16.2	37.7	37.9	37.9	38.2	38.2	38.4	38.4	38.4	38.7	38.7	38.7	38.9	38.9	38.9	38.9
GE 12000	16.2	37.7	37.9	37.9	38.2	38.2	38.4	38.4	38.4	38.7	38.7	38.7	38.9	38.9	38.9	38.9
GE 10000	17.7	39.7	39.9	39.9	40.1	40.1	40.4	40.4	40.4	40.6	40.6	40.6	40.9	40.9	40.9	40.9
GE 9000	17.7	39.7	39.9	39.9	40.1	40.1	40.4	40.4	40.4	40.6	40.6	40.6	40.9	40.9	40.9	40.9
GE 8000	17.7	39.9	40.1	40.1	40.4	40.4	40.6	40.6	40.6	40.9	40.9	40.9	41.1	41.1	41.1	41.1
GE 7000	19.2	42.4	42.6	42.6	42.9	42.9	43.1	43.1	43.1	43.4	43.4	43.4	43.6	43.6	43.6	43.6
GE 6000	19.5	43.1	43.4	43.4	43.6	43.6	43.9	43.9	43.9	44.1	44.1	44.1	44.4	44.4	44.4	44.4
GE 5000	20.7	45.9	46.1	46.1	46.4	46.4	46.6	46.6	46.6	46.9	47.1	47.1	47.4	47.4	47.4	47.4
GE 4500	20.7	45.9	46.1	46.1	46.4	46.4	46.6	46.6	46.6	46.9	47.1	47.1	47.4	47.4	47.4	47.4
GE 4000	21.2	46.9	47.1	47.1	47.4	47.4	47.6	47.6	47.6	47.9	48.1	48.1	48.4	48.4	48.4	48.4
GE 3500	21.2	46.9	47.1	47.1	47.4	47.4	47.6	47.6	47.6	47.9	48.1	48.1	48.4	48.4	48.4	48.4
GE 3000	22.9	50.9	51.1	51.1	51.4	51.4	51.6	51.6	51.6	52.1	52.4	52.4	52.6	52.6	52.6	52.6
GE 2500	26.4	55.6	55.9	55.9	56.1	56.1	56.4	56.4	56.4	56.9	57.1	57.1	57.4	57.4	57.4	57.4
GE 2000	27.7	61.8	62.3	62.3	62.8	62.8	63.1	63.1	63.1	63.6	63.8	63.8	64.1	64.1	64.1	64.1
GE 1800	27.7	61.8	62.3	62.3	62.8	62.8	63.1	63.1	63.1	63.6	63.8	63.8	64.1	64.1	64.1	64.1
GE 1500	28.9	65.1	65.8	65.8	66.3	66.3	66.6	66.6	66.6	67.1	67.3	67.3	67.6	67.6	67.6	67.6
GE 1200	35.4	77.1	78.1	78.1	79.3	79.3	79.6	79.6	79.6	80.3	80.5	80.5	80.8	80.8	80.8	80.8
GE 1000	41.6	87.0	89.0	89.0	90.5	90.5	90.8	90.8	90.8	91.8	92.0	92.0	92.3	92.3	92.3	92.3
GE 900	41.6	87.3	89.3	89.3	90.8	90.8	91.0	91.0	91.0	92.0	92.3	92.3	92.5	92.5	92.5	92.5
GE 800	41.9	87.5	89.8	89.8	91.3	91.3	91.5	91.5	91.5	92.8	93.0	93.0	93.3	93.3	93.3	93.3
GE 700	42.1	88.3	91.0	91.0	93.3	93.3	93.8	93.8	93.8	95.0	95.3	95.3	95.5	95.5	95.5	95.5
GE 600	42.1	88.8	91.5	91.5	93.8	93.8	94.3	94.3	94.3	95.5	95.8	95.8	96.0	96.0	96.0	96.0
GE 500	42.4	89.3	92.3	92.3	94.5	94.5	95.3	95.3	95.3	96.5	96.8	96.8	97.0	97.0	97.0	97.0
GE 400	42.9	90.3	93.3	93.3	96.3	96.3	97.0	97.0	97.0	98.5	98.8	98.8	99.0	99.0	99.0	99.0
GE 300	42.9	90.3	93.3	93.3	96.3	96.3	97.0	97.0	97.0	98.5	98.8	98.8	99.0	99.0	99.0	99.0
GE 200	42.9	90.3	93.3	93.3	96.3	96.3	97.0	97.0	97.0	98.5	98.8	98.8	99.0	99.0	99.0	99.0
GE 100	42.9	90.5	93.5	93.5	96.5	96.5	97.3	97.3	97.3	98.8	99.0	99.0	99.5	99.5	100.0	100.0
GE 000	42.9	90.5	93.5	93.5	96.5	96.5	97.3	97.3	97.3	99.0	99.0	99.0	99.5	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 401

D - 2 - 28

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.0	43.4	43.4	43.4	43.4	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	44.1	44.1	44.1
GE 20000	20.2	44.4	44.4	44.4	44.4	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	45.1	45.1	45.1
GE 18000	20.4	44.6	44.6	44.6	44.6	44.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	45.3	45.3	45.3
GE 16000	20.4	44.6	44.6	44.6	44.6	44.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	45.3	45.3	45.3
GE 14000	20.4	44.6	44.6	44.6	44.6	44.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	45.3	45.3	45.3
GE 12000	20.4	44.8	44.8	44.8	44.8	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.5	45.5	45.5	45.5
GE 10000	21.6	46.7	46.7	46.7	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	47.4	47.4	47.4	47.4
GE 9000	21.6	46.9	46.9	46.9	46.9	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.7	47.7	47.7	47.7
GE 8000	21.8	47.9	47.9	47.9	47.9	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.6	48.6	48.6	48.6
GE 7000	23.2	50.0	50.0	50.0	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.7	50.7	50.7	50.7
GE 6000	23.5	50.2	50.2	50.2	50.2	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.9	50.9	50.9	50.9
GE 5000	25.1	53.8	53.8	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.5	54.5	54.5	54.5
GE 4500	25.1	53.8	53.8	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.5	54.5	54.5	54.5
GE 4000	25.6	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	56.1	56.1	56.1	56.1
GE 3500	25.6	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	56.1	56.1	56.1	56.1
GE 3000	26.5	57.7	57.7	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.5	58.5	58.5	58.5
GE 2500	29.6	61.7	61.7	61.7	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.7	62.7	62.7	62.7
GE 2000	30.5	67.4	67.6	67.6	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.5	68.5	68.5	68.5
GE 1800	30.5	67.4	67.6	67.6	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.5	68.5	68.5	68.5
GE 1500	31.7	69.5	69.7	69.7	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.7	70.7	70.7	70.7
GE 1200	38.7	80.8	81.0	81.0	81.5	81.5	81.9	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6
GE 1000	43.9	89.4	90.6	90.6	91.3	91.3	91.8	91.8	91.8	91.8	91.8	91.8	92.5	92.5	92.7	92.7
GE 900	43.9	89.4	90.6	90.6	91.3	91.3	91.8	91.8	91.8	91.8	91.8	91.8	92.5	92.5	92.7	92.7
GE 800	44.1	90.4	91.8	91.8	92.5	92.5	93.2	93.2	93.2	93.2	93.2	93.2	94.1	94.1	94.4	94.4
GE 700	44.8	91.3	92.7	92.7	93.9	93.9	94.6	94.6	94.6	94.6	94.6	94.6	95.5	95.5	95.8	95.8
GE 600	44.8	91.3	92.7	92.7	93.9	93.9	94.6	94.6	94.6	94.6	94.6	94.6	95.5	95.5	95.8	95.8
GE 500	44.8	91.3	92.7	92.7	93.9	93.9	94.6	94.6	94.6	94.6	94.6	94.6	95.5	95.5	95.8	95.8
GE 400	44.8	91.8	93.2	93.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	96.5	96.5	96.7	96.7
GE 300	45.1	92.0	93.4	93.4	95.1	95.1	95.8	95.8	95.8	95.8	95.8	95.8	96.9	96.9	97.4	97.4
GE 200	45.5	92.5	94.1	94.1	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	98.4	98.4	99.3	99.3
GE 100	45.8	92.7	94.4	94.4	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	98.6	98.6	100.0	100.0
GE 000	45.8	92.7	94.4	94.4	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	98.6	98.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 426

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	16.0	34.6	34.7	34.7	34.9	34.9	35.1	35.1	35.1	35.3	35.3	35.3	35.9	36.0	36.7	36.8		
GE 20000	16.3	35.6	35.8	35.8	35.9	35.9	36.2	36.2	36.2	36.4	36.5	36.5	37.1	37.2	37.9	38.0		
GE 18000	16.3	35.8	35.9	35.9	36.1	36.1	36.3	36.3	36.3	36.5	36.6	36.6	37.3	37.3	38.0	38.2		
GE 16000	16.4	35.9	36.0	36.0	36.2	36.2	36.4	36.4	36.4	36.7	36.7	36.7	37.4	37.4	38.1	38.3		
GE 14000	16.4	36.1	36.2	36.2	36.4	36.4	36.7	36.7	36.7	36.9	37.0	37.0	37.6	37.7	38.4	38.5		
GE 12000	16.4	36.2	36.4	36.4	36.5	36.5	36.8	36.8	36.8	37.0	37.1	37.1	37.7	37.8	38.5	38.7		
GE 10000	17.8	38.3	38.4	38.4	38.6	38.6	38.8	38.8	38.8	39.1	39.1	39.1	39.8	39.9	40.5	40.8		
GE 9000	17.8	38.6	38.7	38.7	38.9	38.9	39.1	39.1	39.1	39.4	39.4	39.4	40.1	40.2	40.8	41.1		
GE 8000	17.9	39.3	39.4	39.4	39.6	39.6	39.8	39.8	39.8	40.0	40.1	40.1	40.8	40.8	41.5	41.7		
GE 7000	19.1	41.2	41.4	41.4	41.6	41.6	41.8	41.8	41.8	42.1	42.1	42.1	42.8	42.9	43.5	43.8		
GE 6000	19.3	41.8	42.0	42.0	42.2	42.2	42.4	42.4	42.4	42.7	42.7	42.7	43.4	43.5	44.1	44.4		
GE 5000	20.7	45.0	45.2	45.2	45.3	45.3	45.6	45.6	45.6	45.8	45.9	45.9	46.6	46.7	47.3	47.6		
GE 4500	20.7	45.0	45.2	45.2	45.3	45.3	45.6	45.6	45.6	45.8	45.9	45.9	46.6	46.7	47.3	47.6		
GE 4000	21.7	46.7	46.8	46.8	47.0	47.0	47.3	47.3	47.3	47.6	47.7	47.7	48.3	48.4	49.1	49.3		
GE 3500	21.7	46.7	46.8	46.8	47.0	47.0	47.3	47.3	47.3	47.6	47.7	47.7	48.3	48.4	49.1	49.3		
GE 3000	22.5	48.8	49.0	49.0	49.2	49.2	49.5	49.5	49.5	49.8	50.0	50.0	50.6	50.7	51.4	51.6		
GE 2500	25.5	52.9	53.0	53.0	53.3	53.3	53.6	53.6	53.6	54.0	54.1	54.1	54.8	54.8	55.5	55.7		
GE 2000	26.6	59.1	59.4	59.4	59.8	59.8	60.1	60.1	60.1	60.5	60.6	60.6	61.3	61.4	62.1	62.3		
GE 1800	26.6	59.1	59.4	59.4	59.8	59.8	60.1	60.1	60.1	60.5	60.6	60.6	61.3	61.4	62.1	62.3		
GE 1500	27.8	62.1	62.6	62.6	63.0	63.0	63.4	63.4	63.4	63.8	63.9	63.9	64.6	64.7	65.3	65.6		
GE 1200	34.4	73.8	74.4	74.4	75.4	75.4	76.0	76.0	76.0	76.5	76.6	76.6	77.4	77.5	78.2	78.5		
GE 1000	39.1	83.1	84.3	84.3	85.6	85.6	86.6	86.6	86.6	87.3	87.5	87.5	88.3	88.4	89.2	89.5		
GE 900	39.1	83.1	84.3	84.3	85.7	85.7	86.6	86.6	86.6	87.4	87.5	87.5	88.4	88.4	89.2	89.5		
GE 800	39.5	84.1	85.6	85.6	86.9	86.9	88.0	88.0	88.0	89.0	89.0	89.2	90.2	90.2	91.0	91.4		
GE 700	40.0	85.1	86.6	86.6	88.8	88.8	90.1	90.1	90.1	91.0	91.3	91.3	92.4	92.4	93.3	93.6		
GE 600	40.0	85.3	86.9	86.9	89.1	89.1	90.4	90.4	90.4	91.3	91.6	91.6	92.7	92.7	93.6	94.0		
GE 500	40.1	86.0	87.7	87.7	90.0	90.0	91.4	91.4	91.4	92.4	92.7	92.7	93.8	93.9	94.8	95.1		
GE 400	40.2	86.8	88.5	88.5	91.2	91.2	92.7	92.7	92.7	93.9	94.2	94.2	95.4	95.4	96.3	96.7		
GE 300	40.3	86.9	88.6	88.6	91.4	91.4	92.9	92.9	92.9	94.2	94.4	94.4	95.7	95.8	96.9	97.4		
GE 200	40.4	87.0	88.8	88.8	91.6	91.6	93.1	93.1	93.1	94.3	94.6	94.6	96.4	96.5	97.8	98.7		
GE 100	40.5	87.1	88.9	88.9	91.7	91.7	93.2	93.2	93.2	94.5	94.7	94.7	96.6	96.7	98.6	99.9		
GE 000	40.5	87.1	88.9	88.9	91.7	91.7	93.2	93.2	93.2	94.5	94.7	94.7	96.6	96.7	98.6	100.0		

TOTAL NUMBER OF OBSERVATIONS 1661

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	21.1	34.7	34.9	34.9	35.1	35.1	35.4	35.4	35.4	35.8	35.8	35.8	36.1	36.5	36.5	37.0		
GE 20000	21.3	36.3	36.5	36.5	36.8	36.8	37.0	37.0	37.0	37.5	37.5	37.5	37.7	38.2	38.2	38.6		
GE 18000	21.3	36.5	36.8	36.8	37.0	37.0	37.2	37.2	37.2	37.7	37.7	37.7	37.9	38.4	38.4	38.9		
GE 16000	21.3	36.8	37.0	37.0	37.2	37.2	37.5	37.5	37.5	37.9	37.9	37.9	38.2	38.6	38.6	39.1		
GE 14000	21.3	36.8	37.0	37.0	37.2	37.2	37.5	37.5	37.5	37.9	37.9	37.9	38.2	38.6	38.6	39.1		
GE 12000	21.3	36.8	37.0	37.0	37.2	37.2	37.5	37.5	37.5	37.9	37.9	37.9	38.2	38.6	38.6	39.1		
GE 10000	22.2	40.0	40.3	40.3	40.5	40.5	40.7	40.7	40.7	41.2	41.2	41.2	41.5	41.9	41.9	42.4		
GE 9000	22.2	40.0	40.3	40.3	40.5	40.5	40.7	40.7	40.7	41.2	41.2	41.2	41.5	41.9	41.9	42.4		
GE 8000	22.5	41.0	41.2	41.2	41.5	41.5	41.7	41.7	41.7	42.2	42.2	42.2	42.4	42.9	42.9	43.3		
GE 7000	24.1	43.8	44.0	44.0	44.3	44.3	44.5	44.5	44.5	45.0	45.0	45.0	45.2	45.7	45.7	46.1		
GE 6000	24.1	43.8	44.0	44.0	44.3	44.3	44.5	44.5	44.5	45.0	45.0	45.0	45.2	45.7	45.7	46.1		
GE 5000	25.5	47.3	47.5	47.5	48.0	48.0	48.2	48.2	48.2	48.7	48.7	48.7	48.9	49.4	49.4	49.9		
GE 4500	25.5	47.3	47.5	47.5	48.0	48.0	48.2	48.2	48.2	48.7	48.7	48.7	48.9	49.4	49.4	49.9		
GE 4000	25.8	48.7	48.9	48.9	49.4	49.4	49.6	49.6	49.6	50.1	50.1	50.1	50.4	50.8	50.8	51.3		
GE 3500	25.8	48.7	48.9	48.9	49.4	49.4	49.6	49.6	49.6	50.1	50.1	50.1	50.4	50.8	50.8	51.3		
GE 3000	26.2	51.1	51.3	51.3	51.8	51.8	52.0	52.0	52.0	52.5	52.5	52.5	52.7	53.2	53.2	53.6		
GE 2500	29.5	56.2	56.4	56.4	57.1	57.1	57.4	57.4	57.4	57.8	57.8	57.8	58.1	58.5	58.5	59.0		
GE 2000	30.0	61.1	61.4	61.4	62.3	62.3	62.5	62.5	62.5	63.0	63.0	63.0	63.2	63.7	63.7	64.2		
GE 1800	30.0	61.1	61.4	61.4	62.3	62.3	62.5	62.5	62.5	63.0	63.0	63.0	63.2	63.7	63.7	64.2		
GE 1500	31.1	63.9	64.2	64.2	65.1	65.1	65.3	65.3	65.3	65.8	65.8	65.8	66.0	66.5	66.5	67.0		
GE 1200	35.8	73.1	73.8	73.8	75.2	75.2	75.6	75.6	75.6	76.1	76.1	76.1	76.3	76.8	77.0	77.5		
GE 1000	37.2	80.6	81.7	81.7	83.8	83.8	84.8	84.8	84.8	86.2	86.2	86.2	86.4	86.9	87.1	87.6		
GE 900	37.9	81.5	82.7	82.7	84.8	84.8	85.7	85.7	85.7	87.4	87.4	87.4	87.5	88.1	88.3	88.8		
GE 800	38.2	82.4	83.6	83.6	86.4	86.4	87.4	87.6	87.6	89.2	89.2	89.2	89.5	89.9	90.4	90.9		
GE 700	38.4	82.9	84.3	84.3	87.6	87.6	88.8	89.0	89.0	90.6	90.6	90.6	90.9	91.3	91.8	92.3		
GE 600	38.4	83.1	84.5	84.5	88.1	88.3	89.5	89.7	89.7	91.3	91.6	91.6	91.8	92.3	92.7	93.2		
GE 500	38.4	83.1	84.5	84.5	88.1	88.3	89.5	89.7	89.7	91.6	91.8	91.8	92.0	92.5	93.0	93.4		
GE 400	38.6	83.8	85.2	85.2	89.0	89.2	90.6	90.9	90.9	93.2	93.4	93.4	94.1	94.6	95.1	95.6		
GE 300	38.6	84.1	85.5	85.5	89.2	89.5	90.9	91.1	91.1	93.7	93.9	93.9	94.6	95.1	96.0	96.5		
GE 200	38.9	84.3	85.7	85.7	89.5	89.7	91.1	91.3	91.3	93.9	94.1	94.4	95.8	96.3	97.4	98.1		
GE 100	39.1	84.5	85.9	85.9	89.7	89.9	91.3	91.6	91.6	94.1	94.4	94.6	96.0	96.5	97.9	99.8		
GE 000	39.1	84.5	85.9	85.9	89.7	89.9	91.3	91.6	91.6	94.1	94.4	94.6	96.0	96.5	97.9	100.0		

TOTAL NUMBER OF OBSERVATIONS 427

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.6	29.2	29.5	29.5	29.7	29.7	30.0	30.0	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2
GE 20000	16.9	31.2	31.5	31.5	31.7	31.7	32.2	32.2	32.2	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 18000	17.1	31.5	31.7	31.7	32.0	32.0	32.5	32.5	32.5	33.0	33.0	33.0	33.0	33.0	33.0	33.0
GE 16000	17.1	31.5	31.7	31.7	32.0	32.0	32.5	32.5	32.5	33.0	33.0	33.0	33.0	33.0	33.0	33.0
GE 14000	17.1	31.7	32.0	32.0	32.2	32.2	32.7	32.7	32.7	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 12000	17.1	31.7	32.0	32.0	32.2	32.2	32.7	32.7	32.7	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 10000	18.4	34.3	34.5	34.5	34.8	34.8	35.3	35.3	35.3	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 9000	18.4	34.3	34.5	34.5	34.8	34.8	35.3	35.3	35.3	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 8000	18.4	34.8	35.0	35.0	35.3	35.3	35.8	35.8	35.8	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 7000	19.4	36.3	36.5	36.5	36.8	36.8	37.3	37.3	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 6000	19.4	36.8	37.0	37.0	37.3	37.3	37.8	37.8	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 5000	20.4	39.3	39.5	39.5	39.8	39.8	40.3	40.3	40.3	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 4500	20.4	39.3	39.5	39.5	39.8	39.8	40.3	40.3	40.3	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 4000	21.9	41.6	41.8	41.8	42.1	42.1	42.6	42.6	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 3500	21.9	42.1	42.3	42.3	42.6	42.6	43.1	43.1	43.1	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 3000	22.9	45.3	45.6	45.6	45.8	45.8	46.3	46.3	46.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 2500	25.2	48.4	48.6	48.6	48.9	48.9	49.4	49.4	49.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 2000	26.4	54.9	55.2	55.2	55.4	55.4	55.9	55.9	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 1800	26.4	54.9	55.2	55.2	55.4	55.4	55.9	55.9	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 1500	28.0	58.2	58.7	58.7	58.9	58.9	59.4	59.4	59.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 1200	33.0	68.5	69.8	69.8	71.0	71.0	72.3	72.3	72.3	73.3	73.3	73.3	73.3	73.6	73.6	73.6
GE 1000	36.5	76.3	78.6	78.6	80.9	80.9	82.1	82.1	82.1	83.1	83.1	83.1	83.4	83.4	83.4	83.4
GE 900	36.5	76.3	78.6	78.6	80.9	80.9	82.4	82.4	82.4	83.4	83.4	83.4	83.6	83.6	83.6	83.6
GE 800	36.8	77.3	79.6	79.6	82.9	82.9	84.4	84.4	84.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6
GE 700	36.8	79.6	82.4	82.4	86.1	86.1	87.9	87.9	87.9	88.9	88.9	88.9	89.2	89.2	89.2	89.2
GE 600	37.0	80.4	83.1	83.1	87.2	87.2	89.2	89.2	89.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4
GE 500	37.0	80.4	83.6	83.6	88.4	88.4	90.7	90.7	90.7	91.9	91.9	91.9	92.2	92.2	92.2	92.2
GE 400	37.3	81.4	84.6	84.6	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.7	95.7	95.7	95.7
GE 300	37.3	81.4	84.6	84.6	89.7	89.7	92.9	92.9	92.9	95.7	95.7	95.7	96.0	96.0	96.0	96.0
GE 200	37.3	81.4	84.6	84.6	89.7	89.7	92.9	92.9	92.9	95.7	95.7	95.7	96.2	96.2	97.0	97.5
GE 100	37.3	81.6	84.9	84.9	89.9	89.9	93.2	93.2	93.2	96.0	96.0	96.0	97.0	97.0	98.2	100.0
GE 000	37.3	81.6	84.9	84.9	89.9	89.9	93.2	93.2	93.2	96.0	96.0	96.0	97.0	97.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 397

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.5	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.4	40.4
GE 20000	20.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.2	41.2
GE 18000	20.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.2	41.2
GE 16000	20.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.2	41.2
GE 14000	20.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.4	41.4
GE 12000	20.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.4	41.4
GE 10000	22.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	45.0	45.0
GE 9000	22.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.3	45.3
GE 8000	22.5	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.5	45.5
GE 7000	23.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.3	47.3
GE 6000	23.8	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	48.1	48.1
GE 5000	25.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.6	50.6
GE 4500	25.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.6	50.6
GE 4000	25.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.4	51.4
GE 3500	25.3	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.7	51.7
GE 3000	26.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.7	54.7
GE 2500	28.4	57.8	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.8	58.8
GE 2000	29.2	64.2	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.5	65.5
GE 1800	29.2	64.2	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.5	65.5
GE 1500	31.2	67.3	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.8	68.8
GE 1200	35.0	76.7	77.2	77.2	77.7	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.8	78.8	79.3	79.3
GE 1000	38.9	85.2	86.2	86.2	86.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.5	88.5	89.0
GE 900	38.9	85.2	86.2	86.2	87.0	87.0	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.7	88.7	89.3
GE 800	39.4	86.2	87.2	87.2	88.2	88.2	89.3	89.3	89.3	89.8	89.8	89.8	89.8	90.3	90.3	90.8
GE 700	40.7	89.8	90.8	90.8	92.6	92.6	93.6	93.9	93.9	94.4	94.4	94.4	94.4	94.9	94.9	95.4
GE 600	40.7	89.8	90.8	90.8	92.6	92.6	93.6	93.9	93.9	94.4	94.4	94.4	94.4	94.9	94.9	95.4
GE 500	41.2	90.3	91.3	91.3	93.1	93.1	94.1	94.4	94.4	94.9	94.9	94.9	94.9	95.4	95.4	96.2
GE 400	41.4	91.3	92.3	92.3	94.4	94.6	95.7	95.9	95.9	96.7	96.7	96.7	96.7	97.2	97.2	98.2
GE 300	41.4	91.3	92.3	92.3	94.4	94.6	95.7	95.9	95.9	96.9	96.9	96.9	96.9	97.7	97.7	99.0
GE 200	41.4	91.3	92.3	92.3	94.4	94.6	95.7	95.9	95.9	96.9	96.9	96.9	96.9	98.2	98.2	99.5
GE 100	41.4	91.3	92.3	92.3	94.4	94.6	95.7	95.9	95.9	96.9	96.9	96.9	96.9	98.2	98.2	100.0
GE 000	41.4	91.3	92.3	92.3	94.4	94.6	95.7	95.9	95.9	96.9	96.9	96.9	96.9	98.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 391

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.2	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.3	40.3	40.6
GE 20000	21.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8	41.0
GE 18000	21.2	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	41.0	41.0	41.0
GE 16000	21.2	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.3	41.3	41.5
GE 14000	21.7	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.7	41.7	42.0
GE 12000	21.7	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.7	41.7	42.0
GE 10000	23.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.2	46.2	46.5
GE 9000	23.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.2	46.2	46.5
GE 8000	24.1	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.9	46.9	47.2
GE 7000	25.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.6	48.6	48.8
GE 6000	25.2	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.3	49.3	49.5
GE 5000	26.2	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.5
GE 4500	26.2	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.5
GE 4000	27.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.4	55.4	55.7
GE 3500	27.8	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.7	55.7	55.9
GE 3000	29.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.5	57.5	57.8
GE 2500	31.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	61.1
GE 2000	33.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.2
GE 1800	33.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2	67.2	67.5
GE 1500	35.8	70.8	70.8	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.5
GE 1200	38.4	78.1	78.5	78.5	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.7
GE 1000	42.0	86.3	87.7	87.7	88.9	88.9	89.4	89.6	89.6	90.1	90.1	90.1	90.3	90.3	90.3	90.6
GE 900	42.0	86.3	87.7	87.7	88.9	88.9	89.4	89.6	89.6	90.1	90.1	90.1	90.3	90.3	90.3	90.6
GE 800	42.2	86.8	88.2	88.2	89.4	89.4	89.9	90.1	90.1	90.6	90.6	90.6	91.0	91.0	91.0	91.3
GE 700	43.4	88.4	90.1	90.1	91.7	91.7	92.7	92.9	92.9	93.9	93.9	93.9	94.3	94.3	94.3	94.6
GE 600	43.4	88.7	90.3	90.3	92.0	92.0	92.9	93.2	93.2	94.1	94.1	94.1	94.6	94.6	94.6	94.8
GE 500	43.4	88.9	90.6	90.6	92.2	92.2	93.2	93.6	93.6	94.6	94.6	94.6	95.0	95.3	95.3	95.5
GE 400	43.9	89.6	91.3	91.3	92.9	92.9	93.9	94.3	94.3	95.5	95.5	95.5	96.2	96.5	96.5	96.7
GE 300	43.9	89.6	91.3	91.3	92.9	92.9	93.9	94.3	94.3	95.5	95.5	95.5	96.5	96.7	96.9	97.4
GE 200	43.9	89.6	91.3	91.3	92.9	92.9	93.9	94.3	94.6	95.8	95.8	95.8	96.9	97.2	98.1	98.8
GE 100	43.9	89.6	91.3	91.3	92.9	92.9	93.9	94.3	94.6	95.8	95.8	95.8	96.9	97.2	98.6	100.0
GE 000	43.9	89.6	91.3	91.3	92.9	92.9	93.9	94.3	94.6	95.8	95.8	95.8	96.9	97.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 424

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.9	36.0	36.1	36.1	36.2	36.2	36.4	36.4	36.4	36.5	36.5	36.5	36.7	36.8	36.9	37.1
GE 20000	20.0	37.2	37.3	37.3	37.5	37.5	37.6	37.6	37.6	37.9	37.9	37.9	38.0	38.1	38.3	38.4
GE 18000	20.1	37.4	37.5	37.5	37.6	37.6	37.8	37.8	37.8	38.1	38.1	38.1	38.2	38.3	38.4	38.6
GE 16000	20.1	37.5	37.6	37.6	37.8	37.8	37.9	37.9	37.9	38.2	38.2	38.2	38.3	38.4	38.6	38.7
GE 14000	20.2	37.8	37.9	37.9	38.0	38.0	38.2	38.2	38.2	38.4	38.4	38.4	38.6	38.7	38.8	39.0
GE 12000	20.2	37.8	37.9	37.9	38.0	38.0	38.2	38.2	38.2	38.4	38.4	38.4	38.6	38.7	38.8	39.0
GE 10000	21.7	41.2	41.4	41.4	41.5	41.5	41.7	41.7	41.7	41.9	41.9	41.9	42.0	42.2	42.3	42.5
GE 9000	21.7	41.3	41.4	41.4	41.5	41.5	41.7	41.7	41.7	42.0	42.0	42.0	42.1	42.2	42.3	42.5
GE 8000	21.9	41.9	42.0	42.0	42.2	42.2	42.3	42.3	42.3	42.6	42.6	42.6	42.7	42.8	43.0	43.1
GE 7000	23.1	43.9	44.0	44.0	44.1	44.1	44.3	44.3	44.3	44.5	44.5	44.5	44.7	44.8	44.9	45.1
GE 6000	23.2	44.4	44.5	44.5	44.6	44.6	44.8	44.8	44.8	45.0	45.0	45.0	45.1	45.3	45.4	45.6
GE 5000	24.3	47.5	47.7	47.7	47.8	47.8	48.0	48.0	48.0	48.3	48.3	48.3	48.4	48.5	48.6	48.8
GE 4500	24.3	47.5	47.7	47.7	47.8	47.8	48.0	48.0	48.0	48.3	48.3	48.3	48.4	48.5	48.6	48.8
GE 4000	25.3	49.2	49.3	49.3	49.5	49.5	49.7	49.7	49.7	49.9	49.9	49.9	50.0	50.2	50.3	50.5
GE 3500	25.3	49.4	49.5	49.5	49.7	49.7	49.9	49.9	49.9	50.2	50.2	50.2	50.3	50.4	50.5	50.7
GE 3000	26.4	52.0	52.2	52.2	52.3	52.3	52.5	52.5	52.5	52.8	52.8	52.8	52.9	53.0	53.1	53.3
GE 2500	28.7	55.8	56.0	56.0	56.3	56.3	56.5	56.5	56.5	56.7	56.7	56.7	56.9	57.0	57.1	57.3
GE 2000	29.9	61.8	62.1	62.1	62.4	62.4	62.6	62.6	62.6	62.8	62.8	62.8	63.0	63.1	63.2	63.4
GE 1800	29.9	61.9	62.1	62.1	62.4	62.4	62.7	62.7	62.7	62.9	62.9	62.9	63.0	63.1	63.3	63.5
GE 1500	31.6	65.1	65.4	65.4	65.7	65.7	66.0	66.0	66.0	66.3	66.3	66.3	66.4	66.6	66.7	66.9
GE 1200	35.6	74.1	74.9	74.9	75.8	75.8	76.4	76.4	76.4	76.8	76.8	76.8	77.1	77.2	77.4	77.5
GE 1000	38.7	82.1	83.6	83.6	85.1	85.1	86.0	86.1	86.1	86.9	86.9	86.9	87.2	87.3	87.5	87.7
GE 900	38.9	82.4	83.8	83.8	85.4	85.4	86.4	86.5	86.5	87.3	87.3	87.3	87.6	87.7	87.9	88.1
GE 800	39.2	83.2	84.7	84.7	86.8	86.8	87.7	87.9	87.9	88.8	88.8	88.8	89.1	89.3	89.5	89.7
GE 700	39.8	85.2	86.9	86.9	89.5	89.5	90.7	90.9	90.9	91.9	91.9	91.9	92.3	92.4	92.7	92.9
GE 600	39.9	85.5	87.2	87.2	89.9	90.0	91.3	91.5	91.5	92.5	92.6	92.6	92.9	93.0	93.3	93.5
GE 500	40.0	85.7	87.5	87.5	90.4	90.5	91.8	92.1	92.1	93.2	93.3	93.3	93.7	93.8	94.1	94.3
GE 400	40.3	86.5	88.3	88.3	91.5	91.6	93.2	93.5	93.5	95.2	95.2	95.2	95.8	96.0	96.3	96.5
GE 300	40.3	86.6	88.4	88.4	91.5	91.6	93.3	93.5	93.5	95.4	95.5	95.5	96.2	96.3	96.9	97.2
GE 200	40.4	86.6	88.5	88.5	91.6	91.7	93.3	93.6	93.7	95.5	95.6	95.7	96.8	96.9	98.0	98.5
GE 100	40.5	86.8	88.6	88.6	91.7	91.8	93.5	93.7	93.8	95.7	95.7	95.8	97.0	97.2	98.5	99.9
GE 000	40.5	86.8	88.6	88.6	91.7	91.8	93.5	93.7	93.8	95.7	95.7	95.8	97.0	97.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1639

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OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.6	25.7	25.7	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.9	26.9	26.9
GE 20000	11.6	26.4	26.4	26.4	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	27.6	27.6	27.6	27.6
GE 18000	11.6	26.4	26.4	26.4	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	27.6	27.6	27.6	27.6
GE 16000	11.6	26.4	26.4	26.4	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	27.6	27.6	27.6	27.6
GE 14000	11.6	26.7	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.8	27.8	27.8	27.8
GE 12000	11.6	26.7	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.8	27.8	27.8	27.8
GE 10000	12.5	28.2	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	29.4	29.4	29.4	29.4
GE 9000	12.5	28.2	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	29.4	29.4	29.4	29.4
GE 8000	12.5	28.7	28.7	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.8	29.8	29.8	29.8
GE 7000	12.5	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	30.3	30.3	30.3	30.3
GE 6000	12.5	30.3	30.3	30.3	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	31.4	31.4	31.4	31.4
GE 5000	13.2	32.1	32.1	32.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	33.3	33.3	33.3	33.3
GE 4500	13.2	32.1	32.1	32.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	33.3	33.3	33.3	33.3
GE 4000	13.2	32.3	32.3	32.3	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	33.5	33.5	33.5	33.5
GE 3500	13.2	32.3	32.3	32.3	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	33.7	33.7	33.7	33.7
GE 3000	13.2	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	34.9	34.9	34.9	34.9
GE 2500	14.8	37.1	37.4	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.8	38.7	38.7	38.7	38.7
GE 2000	15.5	48.7	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.7	50.6	50.6	50.6
GE 1800	15.5	49.0	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.9	50.8	50.8	50.8	50.8
GE 1500	16.2	53.8	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.7	55.6	55.6	55.6	55.6
GE 1200	25.3	68.3	69.7	69.7	70.6	70.6	71.1	71.1	71.1	71.1	71.3	71.5	72.4	72.4	72.4	72.4
GE 1000	27.6	82.0	83.6	83.6	85.4	85.4	85.9	85.9	85.9	86.8	86.8	87.0	88.2	88.2	88.2	88.2
GE 900	27.6	82.2	83.8	83.8	85.9	85.9	86.3	86.3	86.3	87.2	87.2	87.5	88.6	88.6	88.6	88.6
GE 800	27.8	83.1	84.7	84.7	87.2	87.2	87.9	87.9	87.9	89.1	89.1	89.3	90.4	90.4	90.7	90.7
GE 700	28.7	85.0	87.2	87.2	90.2	90.2	90.9	90.9	90.9	92.0	92.0	92.3	93.6	93.6	93.8	93.8
GE 600	28.7	85.0	87.2	87.2	90.2	90.2	90.9	90.9	90.9	92.0	92.0	92.3	93.6	93.6	93.8	93.8
GE 500	28.7	85.2	87.5	87.5	90.9	90.9	92.0	92.0	92.0	93.2	93.2	93.4	94.8	94.8	95.0	95.0
GE 400	28.7	85.2	87.5	87.5	90.9	90.9	92.0	92.0	92.0	94.5	94.5	94.8	96.1	96.1	96.4	96.4
GE 300	28.7	85.2	87.7	87.7	91.3	91.3	92.7	92.7	92.7	95.2	95.2	95.4	96.8	96.8	97.5	97.5
GE 200	28.7	85.2	87.9	87.9	91.6	91.6	92.9	92.9	92.9	95.4	95.4	95.7	97.9	97.9	98.9	98.9
GE 100	28.7	85.2	87.9	87.9	91.6	91.6	92.9	92.9	92.9	95.4	95.4	95.7	97.9	97.9	99.8	100.0
GE 000	28.7	85.2	87.9	87.9	91.6	91.6	92.9	92.9	92.9	95.4	95.4	95.7	97.9	97.9	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD F RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.3	17.7	18.3	18.0	18.3	18.5	18.5	18.5	18.5	19.0	19.0	19.0	19.5	19.5	19.8	20.1
GE 20000	10.0	18.5	18.8	18.8	19.0	19.3	19.3	19.3	19.3	19.8	19.8	19.8	20.3	20.6	20.6	20.8
GE 18000	10.0	18.8	19.0	19.0	19.3	19.5	19.5	19.5	19.5	20.1	20.1	20.1	20.6	20.6	20.8	21.1
GE 16000	10.0	18.8	19.0	19.0	19.3	19.5	19.5	19.5	19.5	20.1	20.1	20.1	20.6	20.6	20.8	21.1
GE 14000	10.0	19.0	19.3	19.3	19.5	19.8	19.8	19.8	19.8	20.3	20.3	20.3	20.8	20.8	21.1	21.3
GE 12000	10.0	19.0	19.3	19.3	19.5	19.8	19.8	19.8	19.8	20.3	20.3	20.3	20.8	20.8	21.1	21.3
GE 10000	10.5	20.8	21.1	21.1	21.3	21.6	21.6	21.6	21.6	22.1	22.1	22.1	22.6	22.6	22.9	23.1
GE 9000	10.5	20.8	21.1	21.1	21.3	21.6	21.6	21.6	21.6	22.1	22.1	22.1	22.6	22.6	22.9	23.1
GE 8000	10.5	21.1	21.3	21.3	21.6	21.9	21.9	21.9	21.9	22.4	22.4	22.4	22.9	22.9	23.1	23.4
GE 7000	11.1	21.6	21.9	21.9	22.1	22.4	22.4	22.4	22.4	22.9	22.9	22.9	23.4	23.4	23.7	23.9
GE 6000	11.1	22.9	23.1	23.1	23.4	23.7	23.7	23.7	23.7	24.2	24.2	24.2	24.7	24.7	24.9	25.2
GE 5000	12.1	24.4	24.7	24.7	24.9	25.2	25.2	25.2	25.2	25.7	25.7	25.7	26.2	26.2	26.5	26.7
GE 4500	12.1	24.4	24.7	24.7	24.9	25.2	25.2	25.2	25.2	25.7	25.7	25.7	26.2	26.2	26.5	26.7
GE 4000	13.9	27.0	27.2	27.2	27.5	27.8	27.8	27.8	27.8	28.3	28.3	28.3	28.8	28.8	29.0	29.3
GE 3500	13.9	27.0	27.2	27.2	27.5	27.8	27.8	27.8	27.8	28.3	28.3	28.3	28.8	28.8	29.0	29.3
GE 3000	14.1	27.8	28.0	28.0	28.3	28.5	28.5	28.5	28.5	29.0	29.0	29.0	29.6	29.6	29.8	30.1
GE 2500	16.2	32.1	32.4	32.4	32.6	32.9	32.9	32.9	32.9	33.4	33.4	33.4	33.9	33.9	34.2	34.4
GE 2000	17.0	41.6	42.2	42.2	42.4	42.7	42.7	42.7	42.7	43.2	43.2	43.2	43.7	43.7	44.0	44.2
GE 1800	17.0	41.9	42.4	42.4	42.7	42.9	42.9	42.9	42.9	43.4	43.4	43.4	44.0	44.0	44.2	44.5
GE 1500	17.5	46.0	46.8	46.8	47.3	47.6	47.6	47.6	47.6	48.1	48.1	48.1	48.6	48.6	48.8	49.1
GE 1200	23.1	58.6	59.4	59.4	60.7	60.9	61.4	61.4	61.4	62.2	62.2	62.2	62.7	62.7	63.0	63.2
GE 1000	27.0	68.1	70.4	70.4	72.0	72.2	73.0	73.0	73.0	74.6	74.6	74.6	75.1	75.1	75.6	75.8
GE 900	27.2	68.6	71.0	71.0	72.5	72.8	73.8	73.8	73.8	75.3	75.3	75.3	75.8	75.8	76.3	76.6
GE 800	27.8	70.4	73.3	73.3	74.8	75.1	77.1	77.1	77.1	78.7	78.7	78.7	79.2	79.2	79.7	79.9
GE 700	30.1	74.3	77.6	77.6	79.9	80.2	82.5	82.5	82.5	84.3	84.3	84.3	84.8	84.8	85.3	85.6
GE 600	30.3	75.8	79.2	79.2	81.5	81.7	84.1	84.3	84.3	86.1	86.1	86.1	86.6	86.6	87.1	87.4
GE 500	30.8	76.6	81.2	81.2	83.8	84.1	86.9	87.1	87.1	89.2	89.2	89.2	89.7	89.7	90.2	90.5
GE 400	32.1	78.9	83.8	83.8	86.9	87.1	90.5	90.7	90.7	93.8	93.8	93.8	94.3	94.3	94.9	95.1
GE 300	32.1	79.2	84.1	84.1	87.1	87.4	91.0	91.3	91.3	94.6	94.6	94.6	95.1	95.1	95.6	95.9
GE 200	32.1	79.4	84.3	84.3	87.4	87.7	91.5	92.0	92.0	95.6	95.6	95.6	96.7	96.7	97.9	98.2
GE 100	32.1	79.4	84.3	84.3	87.4	87.7	91.5	92.0	92.0	95.6	95.6	95.6	96.7	96.7	97.9	100.0
GE 000	32.1	79.4	84.3	84.3	87.4	87.7	91.5	92.0	92.0	95.6	95.6	95.6	96.7	96.7	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 389

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.4	25.4	25.7	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	26.2	26.2	26.2	26.2
GE 20000	15.9	26.9	27.1	27.1	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.6	27.6	27.6	27.6
GE 18000	15.9	26.9	27.1	27.1	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.6	27.6	27.6	27.6
GE 16000	15.9	26.9	27.1	27.1	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.6	27.6	27.6	27.6
GE 14000	15.9	27.6	27.9	27.9	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.4	28.4	28.4	28.4
GE 12000	16.1	28.1	28.4	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.9	28.9	28.9	28.9
GE 10000	18.6	31.8	32.0	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.5	32.5	32.5	32.5
GE 9000	18.6	31.8	32.0	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.5	32.5	32.5	32.5
GE 8000	18.8	32.3	32.5	32.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	33.0	33.0	33.0	33.0
GE 7000	19.8	34.0	34.2	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.7	34.7	34.7	34.7
GE 6000	19.8	34.2	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.0	35.0
GE 5000	21.8	38.4	38.6	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.1	39.1	39.1	39.1
GE 4500	21.8	38.4	38.6	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.1	39.1	39.1	39.1
GE 4000	22.5	41.1	41.3	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.1	42.1	42.1	42.1
GE 3500	22.5	41.3	41.6	41.6	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.3	42.3	42.3	42.3
GE 3000	23.5	42.8	43.0	43.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.8	43.8	43.8	43.8
GE 2500	25.2	47.2	47.9	47.9	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	49.1	49.1	49.1
GE 2000	26.2	56.5	57.2	57.2	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.4	58.4
GE 1800	26.2	56.7	57.5	57.5	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7
GE 1500	26.7	58.9	59.7	59.7	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.9	60.9	60.9	60.9
GE 1200	33.7	71.9	72.9	72.9	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.6	74.6	74.6	74.6
GE 1000	39.4	83.4	86.1	86.1	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.8	87.8	87.8	87.8
GE 900	39.4	83.6	86.3	86.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	88.0	88.0	88.0	88.0
GE 800	39.6	85.1	88.3	88.3	89.7	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.4	91.4	91.4	91.4
GE 700	40.3	87.0	90.7	90.7	92.2	92.4	93.2	93.4	93.4	93.4	93.4	93.4	93.9	93.9	93.9	93.9
GE 600	40.3	87.8	91.4	91.4	93.4	93.6	94.4	94.6	94.6	94.6	94.6	94.6	95.1	95.1	95.1	95.1
GE 500	40.8	88.8	92.4	92.4	94.6	94.9	95.6	95.8	95.8	95.8	95.8	95.8	96.3	96.3	96.3	96.3
GE 400	41.6	90.5	94.1	94.1	96.8	97.1	98.0	98.3	98.3	98.3	98.3	98.3	98.8	98.8	98.8	98.8
GE 300	41.6	90.5	94.1	94.1	96.8	97.1	98.0	98.3	98.3	98.3	98.3	98.3	98.8	98.8	98.8	98.8
GE 200	41.6	90.5	94.1	94.1	96.8	97.1	98.3	98.5	98.5	98.5	98.5	98.5	99.3	99.3	99.5	99.5
GE 100	41.6	90.5	94.1	94.1	96.8	97.1	98.3	98.5	98.5	98.5	98.5	98.5	99.3	99.3	100.0	100.0
GE 000	41.6	90.5	94.1	94.1	96.8	97.1	98.3	98.5	98.5	98.5	98.5	98.5	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 409

D - 2 - 38

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	13.9	24.7	24.7	24.7	24.9	25.2	25.2	25.4	25.4	25.4	25.4	25.4	25.6	25.6	26.1	26.1		
GE 20000	15.1	27.1	27.1	27.1	27.3	27.5	27.5	27.8	27.8	27.8	27.8	27.8	28.0	28.0	28.5	28.5		
GE 18000	15.1	27.5	27.8	27.8	28.0	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.7	28.7	29.2	29.2		
GE 16000	15.1	27.5	27.8	27.8	28.0	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.7	28.7	29.2	29.2		
GE 14000	15.1	27.8	28.0	28.0	28.2	28.5	28.5	28.7	28.7	28.7	28.7	28.7	28.9	28.9	29.4	29.4		
GE 12000	15.1	27.8	28.0	28.0	28.2	28.5	28.5	28.7	28.7	28.7	28.7	28.7	28.9	28.9	29.4	29.4		
GE 10000	17.9	31.5	32.0	32.0	32.2	32.5	32.5	32.7	32.7	32.7	32.7	32.7	32.9	32.9	33.4	33.4		
GE 9000	17.9	31.8	32.2	32.2	32.5	32.7	32.7	32.9	32.9	32.9	32.9	32.9	33.2	33.2	33.6	33.6		
GE 8000	18.4	33.4	33.9	33.9	34.1	34.4	34.4	34.6	34.6	34.6	34.6	34.6	34.8	34.8	35.3	35.3		
GE 7000	19.3	34.8	35.3	35.3	35.5	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.2	36.2	36.7	36.7		
GE 6000	19.3	34.8	35.3	35.3	35.5	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.2	36.2	36.7	36.7		
GE 5000	21.2	38.1	38.6	38.6	38.8	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.5	39.5	40.0	40.0		
GE 4500	21.2	38.1	38.6	38.6	38.8	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.5	39.5	40.0	40.0		
GE 4000	21.9	39.8	40.2	40.2	40.5	40.7	40.7	40.9	40.9	40.9	40.9	40.9	41.2	41.2	41.6	41.6		
GE 3500	22.4	40.5	40.9	40.9	41.2	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.9	41.9	42.4	42.4		
GE 3000	22.6	40.9	41.6	41.6	41.9	42.1	42.1	42.4	42.4	42.4	42.4	42.4	42.6	42.6	43.1	43.1		
GE 2500	25.6	46.8	47.8	47.8	48.0	48.2	48.2	48.5	48.5	48.5	48.5	48.5	48.7	48.7	49.2	49.2		
GE 2000	26.1	57.4	58.4	58.4	58.6	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.8	59.8		
GE 1800	26.1	57.4	58.4	58.4	58.6	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.8	59.8		
GE 1500	27.8	61.6	62.8	62.8	63.1	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.8	63.8	64.2	64.2		
GE 1200	34.8	73.2	75.5	75.5	76.0	76.2	76.7	76.9	76.9	76.9	76.9	76.9	77.2	77.2	77.6	77.6		
GE 1000	38.1	82.8	85.9	85.9	87.8	88.0	88.9	89.6	89.6	89.9	89.9	89.9	90.1	90.1	90.6	90.6		
GE 900	38.1	83.1	86.1	86.1	88.0	88.2	89.2	89.9	89.9	90.1	90.1	90.1	90.4	90.4	90.8	90.8		
GE 800	38.4	84.5	87.8	87.8	89.9	90.1	91.1	92.0	92.0	92.2	92.2	92.2	92.5	92.5	92.9	92.9		
GE 700	38.4	84.7	88.2	88.2	90.6	90.8	92.0	92.9	92.9	93.4	93.4	93.4	93.6	93.6	94.1	94.1		
GE 600	38.4	85.2	88.7	88.7	91.1	91.3	92.5	93.4	93.4	93.9	93.9	93.9	94.1	94.1	94.6	94.6		
GE 500	38.4	85.2	89.2	89.2	92.0	92.2	93.4	94.6	94.6	95.5	95.5	95.5	96.0	96.0	96.5	96.5		
GE 400	38.6	85.9	89.9	89.9	93.4	93.6	94.8	96.0	96.0	96.9	96.9	96.9	97.4	97.4	97.9	97.9		
GE 300	38.6	85.9	89.9	89.9	93.4	93.6	94.8	96.0	96.0	96.9	96.9	96.9	97.4	97.4	97.9	97.9		
GE 200	38.6	86.1	90.1	90.1	93.6	93.9	95.1	96.2	96.2	97.2	97.4	97.4	98.4	98.4	99.1	99.1		
GE 100	38.8	86.4	90.4	90.4	93.9	94.1	95.3	96.5	96.5	97.4	97.6	97.6	98.6	98.6	99.3	100.0		
GE 000	38.8	86.4	90.4	90.4	93.9	94.1	95.3	96.5	96.5	97.4	97.6	97.6	98.6	98.6	99.3	100.0		

TOTAL NUMBER OF OBSERVATIONS 425

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	12.7	23.5	23.6	23.6	23.9	24.0	24.0	24.1	24.1	24.2	24.2	24.2	24.7	24.7	24.8	24.9	
GE 20000	13.2	24.8	25.0	25.0	25.2	25.3	25.3	25.4	25.4	25.5	25.5	25.5	26.0	26.0	26.2	26.2	
GE 18000	13.2	25.0	25.2	25.2	25.5	25.6	25.6	25.6	25.6	25.8	25.8	25.8	26.2	26.2	26.4	26.5	
GE 16000	13.2	25.0	25.2	25.2	25.5	25.6	25.6	25.6	25.6	25.8	25.8	25.8	26.2	26.2	26.4	26.5	
GE 14000	13.2	25.4	25.6	25.6	25.8	25.9	25.9	26.0	26.0	26.1	26.1	26.1	26.6	26.6	26.8	26.8	
GE 12000	13.2	25.5	25.7	25.7	25.9	26.1	26.1	26.1	26.2	26.2	26.2	26.7	26.7	26.9	27.0		
GE 10000	14.9	28.2	28.5	28.5	28.7	28.8	28.8	28.9	28.9	29.0	29.0	29.0	29.5	29.5	29.7	29.7	
GE 9000	14.9	28.3	28.5	28.5	28.8	28.9	28.9	28.9	28.9	29.1	29.1	29.1	29.5	29.5	29.7	29.8	
GE 8000	15.1	29.0	29.2	29.2	29.5	29.6	29.6	29.7	29.7	29.8	29.8	29.8	30.3	30.3	30.4	30.5	
GE 7000	15.7	30.0	30.3	30.3	30.5	30.6	30.6	30.7	30.7	30.8	30.8	30.8	31.3	31.3	31.5	31.5	
GE 6000	15.7	30.7	30.9	30.9	31.2	31.3	31.3	31.3	31.3	31.5	31.5	31.5	31.9	31.9	32.1	32.2	
GE 5000	17.1	33.4	33.6	33.6	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.2	34.7	34.7	34.8	34.9	
GE 4500	17.1	33.4	33.6	33.6	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.2	34.7	34.7	34.8	34.9	
GE 4000	17.9	35.1	35.4	35.4	35.7	35.8	35.8	35.9	35.9	36.0	36.0	36.0	36.5	36.5	36.6	36.7	
GE 3500	18.0	35.4	35.6	35.6	35.9	36.0	36.0	36.1	36.1	36.2	36.2	36.3	36.8	36.8	36.9	37.0	
GE 3000	18.4	36.3	36.6	36.6	36.9	37.1	37.1	37.1	37.1	37.2	37.2	37.3	37.8	37.8	38.0	38.0	
GE 2500	20.5	40.9	41.5	41.5	41.8	42.0	42.0	42.1	42.1	42.2	42.2	42.2	42.7	42.7	42.9	43.0	
GE 2000	21.2	51.2	51.9	51.9	52.2	52.4	52.4	52.5	52.5	52.6	52.6	52.6	53.1	53.1	53.3	53.4	
GE 1800	21.2	51.4	52.0	52.0	52.4	52.6	52.6	52.6	52.6	52.8	52.8	52.8	53.3	53.3	53.5	53.5	
GE 1500	22.0	55.2	56.0	56.0	56.4	56.6	56.6	56.7	56.7	56.8	56.8	56.9	57.3	57.3	57.5	57.6	
GE 1200	29.3	68.2	69.6	69.6	70.5	70.6	71.0	71.1	71.1	71.3	71.3	71.4	71.9	71.9	72.1	72.1	
GE 1000	33.0	79.3	81.7	81.7	83.3	83.5	84.0	84.2	84.2	84.8	84.8	84.9	85.5	85.5	85.7	85.8	
GE 900	33.1	79.6	82.0	82.0	83.6	83.8	84.4	84.6	84.6	85.3	85.3	85.3	85.9	85.9	86.2	86.2	
GE 800	33.4	81.0	83.7	83.7	85.6	85.8	86.9	87.2	87.2	87.9	87.9	88.0	88.6	88.6	88.9	88.9	
GE 700	34.4	82.9	86.1	86.1	88.4	88.6	89.8	90.1	90.1	90.9	90.9	91.0	91.6	91.6	91.9	92.0	
GE 600	34.4	83.6	86.8	86.8	89.2	89.4	90.6	90.9	90.9	91.8	91.8	91.8	92.5	92.5	92.8	92.8	
GE 500	34.7	84.1	87.7	87.7	90.4	90.6	92.1	92.5	92.5	93.5	93.5	93.6	94.3	94.3	94.6	94.6	
GE 400	35.2	85.2	88.9	88.9	92.1	92.2	93.9	94.3	94.3	95.9	95.9	96.0	96.7	96.7	97.0	97.1	
GE 300	35.2	85.3	89.0	89.0	92.2	92.4	94.2	94.6	94.6	96.3	96.3	96.3	97.1	97.1	97.5	97.5	
GE 200	35.2	85.4	89.2	89.2	92.4	92.6	94.5	94.9	94.9	96.7	96.8	96.8	98.1	98.1	98.9	98.9	
GE 100	35.3	85.4	89.2	89.2	92.5	92.7	94.5	95.0	95.0	96.8	96.8	96.9	98.1	98.1	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 1662

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.1	26.2	26.7	26.7	26.9	26.9	26.9	26.9	26.9	27.2	27.2	27.2	27.2	27.4	27.4	27.7
GE 20000	12.4	26.5	26.9	26.9	27.2	27.2	27.2	27.2	27.2	27.4	27.4	27.4	27.4	27.7	27.7	27.9
GE 18000	12.4	26.5	26.9	26.9	27.2	27.2	27.2	27.2	27.2	27.4	27.4	27.4	27.4	27.7	27.7	27.9
GE 16000	12.4	26.5	26.9	26.9	27.2	27.2	27.2	27.2	27.2	27.4	27.4	27.4	27.4	27.7	27.7	27.9
GE 14000	12.4	26.5	26.9	26.9	27.2	27.2	27.2	27.2	27.2	27.4	27.4	27.4	27.4	27.7	27.7	27.9
GE 12000	12.4	26.5	26.9	26.9	27.2	27.2	27.2	27.2	27.2	27.4	27.4	27.4	27.4	27.7	27.7	27.9
GE 10000	12.4	26.7	27.2	27.2	27.4	27.4	27.4	27.4	27.4	27.7	27.7	27.7	27.7	27.9	27.9	28.2
GE 9000	12.4	26.7	27.2	27.2	27.4	27.4	27.4	27.4	27.4	27.7	27.7	27.7	27.7	27.9	27.9	28.2
GE 8000	12.4	26.7	27.2	27.2	27.4	27.4	27.4	27.4	27.4	27.7	27.7	27.7	27.7	27.9	27.9	28.2
GE 7000	12.4	27.9	28.4	28.4	28.6	28.6	28.6	28.6	28.6	28.9	28.9	28.9	28.9	29.1	29.1	29.4
GE 6000	12.4	27.9	28.4	28.4	28.6	28.6	28.6	28.6	28.6	28.9	28.9	28.9	28.9	29.1	29.1	29.4
GE 5000	12.6	29.4	29.9	29.9	30.1	30.1	30.1	30.1	30.1	30.3	30.3	30.3	30.3	30.6	30.6	30.8
GE 4500	12.6	29.4	29.9	29.9	30.1	30.1	30.1	30.1	30.1	30.3	30.3	30.3	30.3	30.6	30.6	30.8
GE 4000	12.9	30.6	31.1	31.1	31.3	31.3	31.3	31.3	31.3	31.6	31.6	31.6	31.6	31.8	31.8	32.0
GE 3500	12.9	30.6	31.1	31.1	31.3	31.3	31.3	31.3	31.3	31.6	31.6	31.6	31.6	31.8	31.8	32.0
GE 3000	12.9	31.8	32.3	32.3	32.5	32.5	32.5	32.5	32.5	32.8	32.8	32.8	32.8	33.0	33.0	33.3
GE 2500	13.6	35.4	35.9	35.9	36.4	36.4	36.4	36.4	36.4	36.7	36.7	36.7	36.7	37.1	37.1	37.4
GE 2000	14.3	42.5	43.2	43.2	43.7	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	44.4	44.4	44.7
GE 1800	14.3	42.5	43.2	43.2	43.7	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	44.4	44.4	44.7
GE 1500	14.8	47.8	48.5	48.5	49.0	49.0	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.8	49.8	50.0
GE 1200	18.4	64.3	66.7	66.7	68.0	68.0	68.0	68.0	68.0	68.2	68.2	68.2	68.2	68.7	68.7	68.9
GE 1000	22.8	80.8	84.0	84.0	87.1	87.1	87.4	87.4	87.4	87.6	87.6	87.6	87.6	88.1	88.1	88.6
GE 900	22.8	80.8	84.0	84.0	87.1	87.1	87.6	87.6	87.6	87.9	87.9	87.9	87.9	88.3	88.3	88.8
GE 800	23.3	82.0	85.4	85.4	88.8	88.8	89.6	89.6	89.8	90.0	90.0	90.0	90.5	90.5	91.0	91.0
GE 700	23.8	84.2	88.1	88.1	92.0	92.0	93.0	93.4	93.4	93.7	93.7	93.7	94.2	94.2	94.7	94.7
GE 600	23.8	84.5	88.3	88.3	92.2	92.2	93.2	93.7	93.7	93.9	93.9	93.9	94.4	94.4	94.9	94.9
GE 500	23.8	84.7	88.6	88.6	92.5	92.5	93.4	93.9	93.9	94.2	94.2	94.2	94.7	94.7	95.1	95.1
GE 400	23.8	85.4	89.6	89.6	93.7	93.7	94.7	95.1	95.1	95.6	95.6	95.6	96.4	96.4	96.8	96.8
GE 300	23.8	85.4	89.6	89.6	93.9	93.9	94.9	95.4	95.4	95.9	95.9	95.9	96.6	96.6	97.1	97.1
GE 200	23.8	85.7	89.8	89.8	94.2	94.2	95.1	95.6	95.6	96.1	96.1	96.1	97.6	97.6	98.1	98.1
GE 100	23.8	85.7	89.8	89.8	94.2	94.2	95.1	95.6	95.6	96.1	96.1	96.4	97.8	97.8	99.0	100.0
GE 000	23.8	85.7	89.8	89.8	94.2	94.2	95.1	95.6	95.6	96.1	96.1	96.4	97.8	97.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 412

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.1	19.7	19.7	19.7	19.7	19.7	20.0	20.0	20.0	20.7	20.9	20.9	20.9	20.9	21.4	21.7
GE 20000	10.1	20.0	20.0	20.0	20.0	20.0	20.2	20.2	20.2	20.9	21.2	21.2	21.2	21.2	21.7	21.9
GE 18000	10.1	20.2	20.2	20.2	20.2	20.2	20.4	20.4	20.4	21.2	21.4	21.4	21.4	21.4	21.9	22.2
GE 16000	10.1	20.2	20.2	20.2	20.2	20.2	20.4	20.4	20.4	21.2	21.4	21.4	21.4	21.4	21.9	22.2
GE 14000	10.1	20.4	20.4	20.4	20.4	20.4	20.7	20.7	20.7	21.4	21.7	21.7	21.7	21.7	22.2	22.4
GE 12000	10.1	20.4	20.4	20.4	20.4	20.4	20.7	20.7	20.7	21.4	21.7	21.7	21.7	21.7	22.2	22.4
GE 10000	10.6	21.4	21.4	21.4	21.4	21.4	21.7	21.7	21.7	22.4	22.7	22.7	22.7	22.7	23.2	23.4
GE 9000	10.6	21.4	21.4	21.4	21.4	21.4	21.7	21.7	21.7	22.4	22.7	22.7	22.7	22.7	23.2	23.4
GE 8000	10.6	21.7	21.7	21.7	21.7	21.7	21.9	21.9	21.9	22.7	22.9	22.9	22.9	22.9	23.4	23.6
GE 7000	10.6	22.2	22.2	22.2	22.2	22.2	22.4	22.4	22.4	23.2	23.4	23.4	23.4	23.4	23.9	24.1
GE 6000	10.6	22.4	22.4	22.4	22.4	22.4	22.7	22.7	22.7	23.4	23.6	23.6	23.6	23.6	24.1	24.4
GE 5000	10.8	23.4	23.6	23.6	23.6	23.6	24.1	24.1	24.1	24.9	25.1	25.1	25.1	25.1	25.6	25.9
GE 4500	10.8	23.4	23.6	23.6	23.6	23.6	24.1	24.1	24.1	24.9	25.1	25.1	25.1	25.1	25.6	25.9
GE 4000	10.8	25.1	25.4	25.4	25.4	25.4	25.9	25.9	25.9	26.6	26.8	26.8	26.8	26.8	27.3	27.6
GE 3500	10.8	25.1	25.4	25.4	25.4	25.4	25.9	25.9	25.9	26.6	26.8	26.8	26.8	26.8	27.3	27.6
GE 3000	11.3	26.1	26.4	26.4	26.4	26.4	26.8	26.8	26.8	27.6	27.8	27.8	27.8	27.8	28.3	28.6
GE 2500	12.8	31.0	31.3	31.3	31.3	31.3	31.8	31.8	31.8	32.5	32.8	32.8	33.0	33.0	33.5	33.7
GE 2000	13.3	37.4	37.9	37.9	37.9	37.9	38.4	38.4	38.4	39.2	39.7	39.7	39.9	39.9	40.4	40.6
GE 1800	13.3	37.4	37.9	37.9	37.9	37.9	38.4	38.4	38.4	39.2	39.7	39.7	39.9	39.9	40.4	40.6
GE 1500	14.3	44.3	45.3	45.3	45.3	45.3	45.6	46.1	46.1	46.8	47.3	47.3	47.5	47.5	48.0	48.3
GE 1200	19.5	56.7	58.1	58.1	58.9	59.4	60.6	60.6	60.6	61.3	61.8	61.8	62.1	62.1	62.6	62.8
GE 1000	23.4	69.0	71.7	71.7	75.4	75.9	77.1	77.1	77.1	78.1	78.8	78.8	79.3	79.3	80.0	80.3
GE 900	23.6	69.2	71.9	71.9	75.6	76.1	77.3	77.3	77.3	78.6	79.3	79.3	79.8	79.8	80.5	80.8
GE 800	24.1	71.2	74.1	74.1	78.3	78.8	80.3	80.3	80.3	81.8	82.8	82.8	83.5	83.5	84.5	84.7
GE 700	24.1	73.4	76.6	76.6	81.0	81.8	83.3	83.5	83.5	85.7	86.7	86.7	87.4	87.4	88.4	88.7
GE 600	24.1	73.4	76.6	76.6	81.0	81.8	83.3	83.5	83.5	85.7	86.7	86.7	87.4	87.4	88.4	88.7
GE 500	24.1	74.1	77.3	77.3	82.0	82.8	84.7	85.5	85.5	87.9	88.9	88.9	89.9	89.9	91.1	91.4
GE 400	25.1	76.4	79.8	79.8	85.0	85.7	88.7	89.4	89.4	92.9	94.1	94.1	95.1	95.1	96.3	96.6
GE 300	25.1	76.4	79.8	79.8	85.0	85.7	88.7	89.4	89.4	93.1	94.3	94.3	95.6	95.6	96.8	97.0
GE 200	25.1	76.4	79.8	79.8	85.0	85.7	88.7	89.4	89.4	93.1	94.3	94.3	96.3	96.3	97.5	97.8
GE 100	25.1	76.4	79.8	79.8	85.0	85.7	88.7	89.4	89.4	93.1	94.3	94.3	96.3	96.3	97.8	99.8
GE 000	25.1	76.4	79.8	79.8	85.0	85.7	88.7	89.4	89.4	93.1	94.3	94.3	96.3	96.3	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 406

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OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	13.1	20.7	20.9	20.9	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.4	21.4	21.4	21.4	
GE 20000	13.8	22.2	22.4	22.4	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	23.2	23.2	23.2	23.2	23.2	
GE 18000	13.8	22.4	22.7	22.7	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.4	23.4	23.4	23.4	
GE 16000	13.8	22.4	22.7	22.7	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.4	23.4	23.4	23.4	
GE 14000	13.8	22.4	22.7	22.7	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.4	23.4	23.4	23.4	
GE 12000	13.8	22.4	22.7	22.7	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.4	23.4	23.4	23.4	23.4	
GE 10000	14.8	23.9	24.1	24.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.9	24.9	24.9	24.9	
GE 9000	14.8	23.9	24.1	24.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.9	24.9	24.9	24.9	
GE 8000	14.8	23.9	24.1	24.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.9	24.9	24.9	24.9	
GE 7000	15.3	24.9	25.1	25.1	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.9	25.9	25.9	25.9	
GE 6000	15.3	25.4	25.6	25.6	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.4	26.4	26.4	26.4	26.4	
GE 5000	16.5	27.3	27.6	27.6	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.3	28.3	28.3	28.3	28.3	
GE 4500	16.5	27.3	27.6	27.6	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.3	28.3	28.3	28.3	28.3	
GE 4000	17.0	28.8	29.1	29.1	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.8	29.8	29.8	29.8	29.8	
GE 3500	17.0	28.8	29.1	29.1	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.8	29.8	29.8	29.8	29.8	
GE 3000	17.5	31.3	31.5	31.5	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.3	32.3	32.3	32.3	32.3	
GE 2500	20.0	37.2	37.4	37.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.2	38.2	38.2	38.2	38.2	
GE 2000	20.4	44.6	45.3	45.3	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.1	46.1	46.1	46.1	46.1	
GE 1800	20.4	44.6	45.3	45.3	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.1	46.1	46.1	46.1	46.1	
GE 1500	21.4	52.0	53.0	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.7	53.7	53.7	
GE 1200	27.3	66.7	68.7	68.7	69.7	69.7	70.4	70.4	70.7	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	
GE 1000	30.5	78.3	81.3	81.3	82.8	82.8	84.0	84.0	84.2	84.2	84.5	84.5	84.7	84.7	84.7	84.7	85.0	
GE 900	30.8	78.6	81.5	81.5	83.0	83.0	84.2	84.2	84.5	84.5	84.7	84.7	85.0	85.0	85.0	85.0	85.2	
GE 800	32.0	81.3	84.7	84.7	86.5	86.5	87.9	88.4	88.7	88.7	88.9	88.9	89.2	89.2	89.2	89.2	89.4	
GE 700	32.8	83.5	87.2	87.2	89.2	89.4	90.9	91.4	91.6	91.9	92.1	92.1	92.4	92.4	92.4	92.4	92.6	
GE 600	33.0	84.5	88.4	88.4	90.6	90.9	92.6	93.1	93.3	93.6	93.8	93.8	94.1	94.1	94.1	94.1	94.3	
GE 500	33.3	84.7	88.9	88.9	91.4	91.6	93.6	94.1	94.3	95.1	95.3	95.3	95.6	95.6	95.6	95.6	95.8	
GE 400	33.7	86.5	90.9	90.9	93.6	93.8	96.3	96.8	97.0	98.0	98.5	98.5	99.0	99.0	99.0	99.0	99.3	
GE 300	33.7	86.5	90.9	90.9	93.6	93.8	96.3	96.8	97.0	98.0	98.5	98.5	99.0	99.3	99.3	99.5	99.5	
GE 200	33.7	86.5	90.9	90.9	93.6	93.8	96.3	96.8	97.0	98.0	98.5	98.5	99.3	99.5	99.5	99.8	99.8	
GE 100	33.7	86.5	90.9	90.9	93.6	93.8	96.3	96.8	97.0	98.0	98.5	98.5	99.3	99.5	99.5	99.8	100.0	
GE 000	33.7	86.5	90.9	90.9	93.6	93.8	96.3	96.8	97.0	98.0	98.5	98.5	99.3	99.5	99.8	100.0		

TOTAL NUMBER OF OBSERVATIONS 406

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.3	20.5	20.5	20.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	21.0	21.2
GE 20000	13.0	21.5	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.9	22.2
GE 18000	13.0	21.5	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.9	22.2
GE 16000	13.0	21.5	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.9	22.2
GE 14000	13.0	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	22.2	22.4
GE 12000	13.0	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	22.2	22.4
GE 10000	14.4	23.8	23.8	23.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.3	24.5
GE 9000	14.4	23.8	23.8	23.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.3	24.5
GE 8000	14.4	24.1	24.1	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.5	24.8
GE 7000	14.9	24.5	24.5	24.5	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	25.0	25.2
GE 6000	14.9	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.2	25.5
GE 5000	15.8	26.9	26.9	26.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.4	27.6
GE 4500	15.8	26.9	26.9	26.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.4	27.6
GE 4000	16.0	28.5	28.5	28.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.0	29.2
GE 3500	16.0	28.5	28.5	28.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.0	29.2
GE 3000	16.3	29.5	29.5	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	30.0	30.2
GE 2500	17.9	34.0	34.0	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.4	34.7
GE 2000	18.9	42.0	42.2	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.9	43.2
GE 1800	18.9	42.0	42.2	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.9	43.2
GE 1500	19.3	46.7	46.9	46.9	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.9	48.1
GE 1200	27.1	63.9	65.1	65.1	66.0	66.0	66.7	66.7	66.7	67.0	67.2	67.2	67.2	67.2	67.5	67.7
GE 1000	31.4	78.3	80.2	80.2	82.8	82.8	83.5	83.5	83.5	84.4	84.7	84.7	84.7	84.7	84.9	85.1
GE 900	31.4	78.3	80.2	80.2	82.8	82.8	83.7	83.7	83.7	84.7	84.9	84.9	84.9	84.9	85.1	85.4
GE 800	31.8	79.7	81.8	81.8	85.1	85.1	86.3	86.3	86.3	87.3	87.5	87.5	87.5	87.5	87.7	88.0
GE 700	33.3	83.7	86.1	86.1	90.3	90.3	91.7	91.7	91.7	92.9	93.2	93.2	93.4	93.4	93.6	93.9
GE 600	33.3	84.0	86.8	86.8	91.0	91.0	92.5	92.5	92.5	93.9	93.9	94.1	94.1	94.3	94.6	94.8
GE 500	33.5	84.2	87.0	87.0	91.3	91.3	92.7	92.7	92.7	93.9	94.1	94.1	94.3	94.3	94.6	94.8
GE 400	34.0	86.1	89.2	89.2	93.9	93.9	95.3	95.3	95.3	96.7	96.9	96.9	97.4	97.4	97.6	97.9
GE 300	34.0	86.1	89.2	89.2	93.9	93.9	95.3	95.3	95.3	96.7	96.9	96.9	97.6	97.6	98.1	98.3
GE 200	34.0	86.1	89.2	89.2	93.9	93.9	95.3	95.3	95.3	96.7	96.9	96.9	98.1	98.1	98.6	98.8
GE 100	34.0	86.1	89.2	89.2	93.9	93.9	95.3	95.3	95.3	96.7	96.9	96.9	98.1	98.1	99.3	99.8
GE 000	34.0	86.3	89.4	89.4	94.1	94.1	95.5	95.5	95.5	96.9	97.2	97.2	98.3	98.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 424

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JUN 73 - SEP 88
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.9	21.8	22.0	22.0	22.1	22.1	22.2	22.2	22.2	22.5	22.5	22.5	22.6	22.6	22.9	23.0
GE 20000	12.3	22.5	22.7	22.7	22.9	22.9	23.0	23.0	23.0	23.2	23.3	23.3	23.4	23.4	23.7	23.8
GE 18000	12.3	22.6	22.8	22.8	23.1	23.1	23.1	23.1	23.1	23.4	23.4	23.4	23.5	23.5	23.8	23.9
GE 16000	12.3	22.6	22.8	22.8	23.1	23.1	23.1	23.1	23.1	23.4	23.4	23.4	23.5	23.5	23.8	23.9
GE 14000	12.3	22.8	22.9	22.9	23.2	23.2	23.2	23.2	23.2	23.5	23.5	23.5	23.7	23.7	23.9	24.0
GE 12000	12.3	22.8	22.9	22.9	23.2	23.2	23.2	23.2	23.2	23.5	23.5	23.5	23.7	23.7	23.9	24.0
GE 10000	13.0	24.0	24.2	24.2	24.4	24.4	24.5	24.5	24.5	24.7	24.8	24.8	24.9	24.9	25.1	25.2
GE 9000	13.0	24.0	24.2	24.2	24.4	24.4	24.5	24.5	24.5	24.7	24.8	24.8	24.9	24.9	25.1	25.2
GE 8000	13.0	24.1	24.3	24.3	24.5	24.5	24.6	24.6	24.6	24.8	24.9	24.9	25.0	25.0	25.2	25.4
GE 7000	13.3	24.9	25.1	25.1	25.3	25.3	25.4	25.4	25.4	25.6	25.7	25.7	25.8	25.8	26.0	26.2
GE 6000	13.3	25.1	25.3	25.3	25.5	25.5	25.6	25.6	25.6	25.8	25.9	25.9	26.0	26.0	26.3	26.4
GE 5000	14.0	26.8	27.0	27.0	27.2	27.2	27.4	27.4	27.4	27.6	27.7	27.7	27.8	27.8	28.0	28.2
GE 4500	14.0	26.8	27.0	27.0	27.2	27.2	27.4	27.4	27.4	27.6	27.7	27.7	27.8	27.8	28.0	28.2
GE 4000	14.2	28.3	28.5	28.5	28.8	28.8	28.9	28.9	28.9	29.1	29.2	29.2	29.3	29.3	29.6	29.7
GE 3500	14.2	28.3	28.5	28.5	28.8	28.8	28.9	28.9	28.9	29.1	29.2	29.2	29.3	29.3	29.6	29.7
GE 3000	14.5	29.7	29.9	29.9	30.2	30.2	30.3	30.3	30.3	30.5	30.6	30.6	30.7	30.7	30.9	31.1
GE 2500	16.1	34.4	34.6	34.6	35.0	35.0	35.1	35.1	35.1	35.3	35.4	35.4	35.6	35.6	35.9	36.0
GE 2000	16.7	41.6	42.2	42.2	42.5	42.5	42.7	42.7	42.7	42.9	43.0	43.0	43.3	43.3	43.5	43.6
GE 1800	16.7	41.6	42.2	42.2	42.5	42.5	42.7	42.7	42.7	42.9	43.0	43.0	43.3	43.3	43.5	43.6
GE 1500	17.5	47.7	48.4	48.4	48.8	48.8	49.0	49.0	49.0	49.3	49.4	49.4	49.6	49.6	49.9	50.0
GE 1200	23.1	62.9	64.7	64.7	65.7	65.8	66.4	66.4	66.5	66.8	67.0	67.0	67.2	67.2	67.5	67.6
GE 1000	27.1	76.6	79.3	79.3	82.0	82.2	83.0	83.0	83.1	83.6	83.9	83.9	84.2	84.2	84.6	84.8
GE 900	27.2	76.8	79.4	79.4	82.2	82.3	83.3	83.3	83.3	83.9	84.2	84.2	84.5	84.5	84.9	85.1
GE 800	27.9	78.6	81.6	81.6	84.7	84.8	86.0	86.2	86.3	87.0	87.3	87.3	87.7	87.7	88.1	88.3
GE 700	28.5	81.3	84.5	84.5	88.2	88.4	89.7	90.0	90.1	91.1	91.4	91.4	91.9	91.9	92.3	92.5
GE 600	28.6	81.6	85.1	85.1	88.8	89.0	90.4	90.7	90.8	91.7	92.1	92.1	92.5	93.0	93.0	93.1
GE 500	28.7	82.0	85.5	85.5	89.3	89.6	91.1	91.6	91.6	92.8	93.1	93.1	93.6	93.6	94.1	94.3
GE 400	29.2	83.6	87.4	87.4	91.6	91.8	93.8	94.2	94.2	95.8	96.3	96.3	97.0	97.0	97.5	97.6
GE 300	29.2	83.6	87.4	87.4	91.6	91.9	93.8	94.2	94.3	95.9	96.4	96.4	97.2	97.3	97.8	98.0
GE 200	29.2	83.7	87.4	87.4	91.7	91.9	93.9	94.3	94.4	96.0	96.5	96.5	97.8	97.9	98.4	98.6
GE 100	29.2	83.7	87.4	87.4	91.7	91.9	93.9	94.3	94.4	96.0	96.5	96.5	97.9	97.9	99.0	99.9
GE 000	29.2	83.7	87.5	87.5	91.7	92.0	93.9	94.4	94.4	96.1	96.5	96.6	97.9	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1648

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	13.8	35.5	36.3	36.3	37.0	37.0	37.3	37.3	37.3	37.8	37.8	38.3	38.3	38.8	38.8	38.8	38.8
GE 20000	13.8	36.0	36.8	36.8	37.5	37.5	37.8	37.8	37.8	38.3	38.3	38.8	38.8	38.8	38.8	38.8	38.8
GE 18000	13.8	36.0	36.8	36.8	37.5	37.5	37.8	37.8	37.8	38.3	38.3	38.8	38.8	38.8	38.8	38.8	38.8
GE 16000	13.8	36.0	36.8	36.8	37.5	37.5	37.8	37.8	37.8	38.3	38.3	38.8	38.8	38.8	38.8	38.8	38.8
GE 14000	13.8	36.0	36.8	36.8	37.5	37.5	37.8	37.8	37.8	38.3	38.3	38.8	38.8	38.8	38.8	38.8	38.8
GE 12000	13.8	36.0	36.8	36.8	37.5	37.5	37.8	37.8	37.8	38.3	38.3	38.8	38.8	38.8	38.8	38.8	38.8
GE 10000	13.8	36.8	37.5	37.5	38.3	38.3	38.5	38.5	38.5	39.0	39.0	39.0	39.0	39.5	39.5	39.5	39.5
GE 9000	13.8	37.0	37.8	37.8	38.5	38.5	38.8	38.8	38.8	39.3	39.3	39.3	39.3	39.8	39.8	39.8	39.8
GE 8000	13.8	37.3	38.0	38.0	38.8	38.8	39.0	39.0	39.0	39.5	39.5	39.5	39.5	40.0	40.0	40.0	40.0
GE 7000	13.8	37.5	38.3	38.3	39.0	39.0	39.3	39.3	39.3	39.8	39.8	39.8	39.8	40.3	40.3	40.3	40.3
GE 6000	13.8	37.8	38.5	38.5	39.3	39.3	39.5	39.5	39.5	40.0	40.0	40.0	40.0	40.5	40.5	40.5	40.5
GE 5000	13.8	39.0	39.8	39.8	40.5	40.5	40.8	40.8	40.8	41.3	41.3	41.3	41.3	41.8	41.8	41.8	41.8
GE 4500	13.8	39.0	39.8	39.8	40.5	40.5	40.8	40.8	40.8	41.3	41.3	41.3	41.3	41.8	41.8	41.8	41.8
GE 4000	13.8	40.8	41.8	41.8	42.5	42.5	42.8	42.8	42.8	43.3	43.3	43.3	43.3	43.8	43.8	43.8	43.8
GE 3500	13.8	40.8	41.8	41.8	42.5	42.5	42.8	42.8	42.8	43.3	43.3	43.3	43.3	43.8	43.8	43.8	43.8
GE 3000	13.8	42.8	43.8	43.8	44.5	44.5	44.8	44.8	44.8	45.5	45.5	45.5	45.5	46.0	46.0	46.0	46.0
GE 2500	15.8	49.3	50.3	50.3	51.0	51.0	51.3	51.3	51.3	52.3	52.3	52.3	52.3	52.8	52.8	52.8	52.8
GE 2000	16.0	52.5	53.5	53.5	54.3	54.3	54.5	54.5	54.5	55.5	55.5	55.5	55.5	56.0	56.0	56.0	56.0
GE 1800	16.0	52.8	53.8	53.8	54.5	54.5	54.8	54.8	54.8	55.8	55.8	55.8	55.8	56.3	56.3	56.3	56.3
GE 1500	16.0	57.5	58.8	58.8	59.5	59.5	59.8	59.8	59.8	60.8	60.8	60.8	60.8	61.3	61.3	61.3	61.3
GE 1200	20.8	75.5	79.5	79.5	81.3	81.3	81.8	81.8	81.8	83.0	83.0	83.0	83.0	83.8	83.8	83.8	83.8
GE 1000	21.5	83.8	88.5	88.5	91.3	91.3	92.3	92.3	92.3	93.8	93.8	93.8	93.8	94.5	94.5	94.5	94.5
GE 900	21.5	83.8	88.5	88.5	91.3	91.3	92.3	92.3	92.3	93.8	93.8	93.8	93.8	94.5	94.5	94.5	94.5
GE 800	21.5	83.8	88.8	88.8	91.5	91.5	92.5	92.5	92.5	94.0	94.0	94.0	94.0	94.8	94.8	94.8	94.8
GE 700	21.5	84.3	90.3	90.3	94.3	94.3	95.3	95.3	95.3	97.0	97.0	97.0	97.0	97.8	97.8	97.8	97.8
GE 600	21.5	84.3	90.3	90.3	94.3	94.3	95.3	95.3	95.3	97.0	97.0	97.0	97.0	98.0	98.0	98.0	98.0
GE 500	21.5	84.3	90.3	90.3	94.3	94.3	95.3	95.3	95.3	97.0	97.0	97.0	97.0	98.3	98.3	98.3	98.3
GE 400	21.5	84.5	90.5	90.5	94.5	94.5	95.5	95.5	95.5	97.5	97.5	97.5	97.5	98.8	98.8	98.8	98.8
GE 300	21.5	84.5	90.5	90.5	94.5	94.5	95.5	95.5	95.5	97.5	97.5	97.5	97.5	98.8	98.8	98.8	98.8
GE 200	21.5	84.8	90.8	90.8	94.8	94.8	95.8	95.8	95.8	97.8	97.8	97.8	97.8	99.5	99.5	99.5	99.5
GE 100	21.5	84.8	90.8	90.8	94.8	94.8	95.8	95.8	95.8	97.8	97.8	97.8	97.8	99.5	99.5	99.5	99.5
GE 000	21.5	84.8	90.8	90.8	94.8	94.8	95.8	95.8	95.8	97.8	97.8	97.8	97.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 400

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	12.8	30.4	30.9	30.9	31.9	31.9	32.2	32.2	32.2	32.7	32.7	32.7	33.2	33.2	33.2	33.2	33.2	
GE 20000	12.8	30.9	31.4	31.4	32.5	32.5	32.7	32.7	32.7	33.2	33.2	33.2	33.8	33.8	33.8	33.8	33.8	
GE 18000	12.8	30.9	31.4	31.4	32.5	32.5	32.7	32.7	32.7	33.2	33.2	33.2	33.8	33.8	33.8	33.8	33.8	
GE 16000	12.8	30.9	31.4	31.4	32.5	32.5	32.7	32.7	32.7	33.2	33.2	33.2	33.8	33.8	33.8	33.8	33.8	
GE 14000	12.8	30.9	31.4	31.4	32.5	32.5	32.7	32.7	32.7	33.2	33.2	33.2	33.8	33.8	33.8	33.8	33.8	
GE 12000	12.8	30.9	31.4	31.4	32.5	32.5	32.7	32.7	32.7	33.2	33.2	33.2	33.8	33.8	33.8	33.8	33.8	
GE 10000	12.8	31.2	31.9	31.9	33.0	33.0	33.2	33.2	33.2	33.8	33.8	33.8	34.3	34.3	34.3	34.3	34.3	
GE 9000	12.8	31.4	32.2	32.2	33.2	33.2	33.5	33.5	33.5	34.0	34.0	34.0	34.6	34.6	34.6	34.6	34.6	
GE 8000	12.8	31.9	32.7	32.7	33.8	33.8	34.0	34.0	34.0	34.6	34.6	34.6	35.1	35.1	35.1	35.1	35.1	
GE 7000	13.1	32.7	33.5	33.5	34.6	34.6	35.1	35.1	35.1	35.6	35.6	35.6	36.1	36.1	36.1	36.1	36.1	
GE 6000	13.1	32.7	33.5	33.5	34.6	34.6	35.1	35.1	35.1	35.6	35.6	35.6	36.1	36.1	36.1	36.1	36.1	
GE 5000	13.6	34.3	35.1	35.1	36.1	36.1	36.6	36.6	36.6	37.2	37.2	37.2	37.7	37.7	37.7	37.7	37.7	
GE 4500	13.6	34.3	35.1	35.1	36.1	36.1	36.6	36.6	36.6	37.2	37.2	37.2	37.7	37.7	37.7	37.7	37.7	
GE 4000	13.6	35.9	36.6	36.6	37.7	37.7	38.2	38.2	38.2	38.7	38.7	38.7	39.3	39.3	39.3	39.3	39.3	
GE 3500	13.6	35.9	36.6	36.6	37.7	37.7	38.2	38.2	38.2	38.7	38.7	38.7	39.3	39.3	39.3	39.3	39.3	
GE 3000	13.9	37.7	38.5	38.5	39.5	39.5	40.1	40.1	40.1	40.6	40.6	40.6	41.1	41.1	41.1	41.1	41.1	
GE 2500	17.0	46.6	47.4	47.4	48.4	48.4	49.0	49.0	49.0	49.5	49.5	49.5	50.0	50.0	50.0	50.0	50.0	
GE 2000	17.3	51.3	52.1	52.1	53.7	53.7	54.2	54.2	54.2	54.7	54.7	54.7	55.5	55.5	55.5	55.5	55.5	
GE 1800	17.3	51.6	52.4	52.4	54.2	54.2	54.7	54.7	54.7	55.2	55.2	55.2	56.0	56.0	56.0	56.0	56.0	
GE 1500	17.5	55.2	56.0	56.0	57.9	57.9	58.4	58.4	58.4	58.9	58.9	58.9	59.7	59.7	59.7	59.7	59.7	
GE 1200	22.3	73.6	75.9	75.9	79.6	79.6	80.4	80.4	80.4	81.4	81.7	81.7	82.5	82.5	82.5	82.5	82.5	
GE 1000	23.0	79.6	82.7	82.7	87.4	87.7	88.7	88.7	88.7	90.6	91.4	91.4	92.1	92.1	92.1	92.1	92.1	
GE 900	23.0	79.6	82.7	82.7	87.4	87.7	88.7	88.7	88.7	90.6	91.4	91.4	92.1	92.1	92.1	92.1	92.1	
GE 800	23.0	79.8	83.0	83.0	87.7	88.0	89.0	89.0	89.0	90.8	91.6	91.6	92.4	92.4	92.4	92.4	92.4	
GE 700	23.3	81.4	84.8	84.8	89.5	89.8	91.1	91.1	91.1	93.2	94.2	94.2	95.3	95.3	95.3	95.3	95.3	
GE 600	23.3	81.4	84.8	84.8	89.5	89.8	91.1	91.1	91.1	93.2	94.2	94.2	95.5	95.5	95.5	95.5	95.5	
GE 500	23.3	81.4	84.8	84.8	89.5	89.8	91.6	91.9	91.9	94.0	95.0	95.0	96.3	96.3	96.6	96.6	96.9	
GE 400	23.3	81.9	85.6	85.6	90.8	91.1	92.9	93.2	93.2	95.5	96.6	96.6	97.9	97.9	98.2	98.4	98.4	
GE 300	23.3	81.9	85.6	85.6	90.8	91.1	92.9	93.2	93.2	95.5	96.6	96.6	98.2	98.2	98.4	99.0	99.0	
GE 200	23.3	81.9	85.6	85.6	90.8	91.1	92.9	93.2	93.2	95.5	96.6	96.6	98.4	98.4	98.7	99.2	99.2	
GE 100	23.3	81.9	85.6	85.6	90.8	91.1	92.9	93.2	93.2	95.5	96.6	96.6	98.4	98.4	99.2	100.0	100.0	
GE 000	23.3	81.9	85.6	85.6	90.8	91.1	92.9	93.2	93.2	95.5	96.6	96.6	98.4	98.4	99.2	100.0		

TOTAL NUMBER OF OBSERVATIONS 382

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OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	15.4	25.6	25.9	25.9	26.9	26.9	27.9	27.9	28.2	28.5	28.5	28.5	28.5	28.5	28.7	28.7	
GE 20000	15.9	27.4	27.9	27.9	29.0	29.0	30.0	30.0	30.3	30.5	30.5	30.5	30.5	30.5	30.8	30.8	
GE 18000	15.9	27.7	28.2	28.2	29.2	29.2	30.3	30.3	30.5	30.8	30.8	30.8	30.8	30.8	31.0	31.0	
GE 16000	15.9	27.7	28.2	28.2	29.2	29.2	30.3	30.3	30.5	30.8	30.8	30.8	30.8	30.8	31.0	31.0	
GE 14000	16.2	28.2	28.7	28.7	29.7	29.7	30.8	30.8	31.0	31.3	31.3	31.3	31.3	31.3	31.5	31.5	
GE 12000	16.2	28.5	29.0	29.0	30.0	30.0	31.0	31.0	31.3	31.5	31.5	31.5	31.5	31.5	31.8	31.8	
GE 10000	16.4	29.0	29.7	29.7	31.0	31.0	32.1	32.1	32.3	32.6	32.6	32.6	32.6	32.6	32.8	32.8	
GE 9000	16.4	29.2	30.0	30.0	31.3	31.3	32.3	32.3	32.6	32.8	32.8	32.8	32.8	32.8	33.1	33.1	
GE 8000	16.4	29.7	30.5	30.5	31.8	31.8	32.8	32.8	33.1	33.3	33.3	33.3	33.3	33.3	33.6	33.6	
GE 7000	17.2	31.8	32.6	32.6	33.8	33.8	34.9	34.9	35.1	35.4	35.4	35.4	35.4	35.4	35.6	35.6	
GE 6000	17.2	33.1	33.8	33.8	35.1	35.1	36.2	36.2	36.4	36.7	36.7	36.7	36.7	36.7	36.9	36.9	
GE 5000	17.4	34.9	35.6	35.6	37.4	37.4	38.5	38.5	38.7	39.0	39.0	39.0	39.0	39.0	39.2	39.2	
GE 4500	17.4	35.1	35.9	35.9	37.7	37.7	38.7	38.7	39.0	39.2	39.2	39.2	39.2	39.2	39.5	39.5	
GE 4000	18.5	38.7	39.5	39.5	41.5	41.5	42.6	42.6	42.8	43.1	43.1	43.1	43.1	43.1	43.3	43.3	
GE 3500	18.5	39.2	40.0	40.0	42.1	42.1	43.1	43.1	43.3	43.6	43.6	43.6	43.6	43.6	43.8	43.8	
GE 3000	18.7	40.8	41.5	41.5	43.6	43.6	44.6	44.6	44.9	45.1	45.1	45.1	45.1	45.1	45.4	45.4	
GE 2500	20.5	46.2	46.9	46.9	49.5	49.5	50.5	50.5	50.8	51.3	51.3	51.3	51.5	51.5	51.8	51.8	
GE 2000	20.5	53.6	54.4	54.4	56.9	56.9	58.2	58.2	58.5	59.0	59.0	59.0	59.5	59.5	59.7	59.7	
GE 1800	20.5	53.6	54.4	54.4	56.9	56.9	58.2	58.2	58.5	59.0	59.0	59.0	59.5	59.5	59.7	59.7	
GE 1500	20.8	56.4	57.4	57.4	60.3	60.3	61.5	61.5	61.8	62.6	62.6	62.6	63.1	63.1	63.6	63.6	
GE 1200	27.9	71.3	72.8	72.8	76.7	76.7	79.2	79.2	79.5	81.3	81.3	81.3	81.8	81.8	82.6	82.6	
GE 1000	29.0	75.9	78.5	78.5	82.8	83.1	85.9	86.2	86.4	88.7	88.7	88.7	89.5	89.5	90.3	90.3	
GE 900	29.0	75.9	78.5	78.5	82.8	83.1	85.9	86.2	86.4	89.0	89.0	89.0	89.7	89.7	90.5	90.5	
GE 800	29.2	76.2	79.0	79.0	83.3	83.6	86.4	86.7	86.9	89.7	90.0	90.0	91.0	91.0	91.8	91.8	
GE 700	30.3	77.7	80.5	80.5	85.4	85.6	89.5	89.7	90.0	93.1	93.3	93.3	94.4	94.4	95.1	95.1	
GE 600	30.3	77.7	80.5	80.5	85.4	85.6	89.5	89.7	90.0	93.1	93.3	93.3	94.4	94.4	95.1	95.1	
GE 500	30.3	77.9	80.8	80.8	85.6	85.9	90.0	90.3	90.5	93.6	93.8	93.8	94.9	94.9	95.6	95.9	
GE 400	30.3	78.7	81.5	81.5	86.7	86.9	91.0	91.3	91.5	94.9	95.1	95.1	96.4	96.4	97.7	97.9	
GE 300	30.3	78.7	81.5	81.5	86.7	86.9	91.0	91.3	91.5	94.9	95.1	95.1	96.4	96.4	97.7	97.9	
GE 200	30.3	78.7	81.5	81.5	86.7	86.9	91.0	91.5	91.8	95.1	95.4	95.4	97.2	97.2	98.7	99.2	
GE 100	30.3	78.7	81.5	81.5	86.7	86.9	91.0	91.5	91.8	95.1	95.4	95.4	97.2	97.2	99.0	100.0	
GE 000	30.3	78.7	81.5	81.5	86.7	86.9	91.0	91.5	91.8	95.1	95.4	95.4	97.2	97.2	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 390

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.6	32.4	32.7	32.7	33.7	33.7	34.7	34.7	34.9	34.9	34.9	34.9	35.4	35.4	35.4	35.4
GE 20000	13.6	32.4	32.7	32.7	33.7	33.7	34.7	34.7	34.9	34.9	34.9	34.9	35.4	35.4	35.4	35.4
GE 18000	13.6	32.4	32.7	32.7	33.9	33.9	34.9	34.9	35.1	35.1	35.1	35.1	35.6	35.6	35.6	35.6
GE 16000	13.6	32.4	32.7	32.7	33.9	33.9	34.9	34.9	35.1	35.1	35.1	35.1	35.6	35.6	35.6	35.6
GE 14000	13.6	32.4	32.7	32.7	33.9	33.9	34.9	34.9	35.1	35.1	35.1	35.1	35.6	35.6	35.6	35.6
GE 12000	13.6	32.4	32.7	32.7	33.9	33.9	34.9	34.9	35.1	35.1	35.1	35.1	35.6	35.6	35.6	35.6
GE 10000	13.6	32.4	32.7	32.7	33.9	33.9	34.9	34.9	35.1	35.1	35.1	35.1	35.6	35.6	35.6	35.6
GE 9000	13.6	32.7	32.9	32.9	34.2	34.2	35.1	35.1	35.4	35.4	35.4	35.4	35.9	35.9	35.9	35.9
GE 8000	13.6	32.9	33.2	33.2	34.4	34.4	35.4	35.4	35.6	35.6	35.6	35.6	36.1	36.1	36.1	36.1
GE 7000	13.9	33.9	34.2	34.2	35.4	35.4	36.4	36.4	36.6	36.6	36.6	36.6	37.1	37.1	37.1	37.1
GE 6000	13.9	33.9	34.2	34.2	35.4	35.4	36.4	36.4	36.6	36.6	36.6	36.6	37.1	37.1	37.1	37.1
GE 5000	13.9	35.4	35.6	35.6	36.9	36.9	38.1	38.1	38.4	38.4	38.4	38.4	38.9	38.9	38.9	38.9
GE 4500	13.9	35.4	35.6	35.6	36.9	36.9	38.1	38.1	38.4	38.4	38.4	38.4	38.9	38.9	38.9	38.9
GE 4000	14.1	38.1	38.4	38.4	39.6	39.6	40.8	40.8	41.1	41.1	41.1	41.1	41.6	41.6	41.6	41.6
GE 3500	14.1	38.1	38.4	38.4	39.6	39.6	40.8	40.8	41.1	41.1	41.1	41.1	41.6	41.6	41.6	41.6
GE 3000	14.1	40.3	40.8	40.8	42.1	42.1	43.3	43.3	43.6	43.6	43.6	43.6	44.1	44.1	44.1	44.1
GE 2500	16.6	47.3	47.8	47.8	49.5	49.5	50.7	50.7	51.0	51.0	51.0	51.0	51.5	51.5	51.7	51.7
GE 2000	16.6	51.2	52.0	52.0	54.2	54.2	55.4	55.4	55.7	55.7	55.7	55.7	56.2	56.2	56.4	56.4
GE 1800	16.6	51.7	52.5	52.5	54.7	54.7	55.9	55.9	56.2	56.2	56.2	56.2	56.7	56.7	56.9	56.9
GE 1500	17.1	56.2	57.2	57.2	59.9	59.9	61.1	61.1	61.4	61.4	61.4	61.4	61.9	61.9	62.1	62.1
GE 1200	23.0	73.5	75.5	75.5	79.7	79.7	80.9	80.9	81.2	81.9	82.2	82.2	82.7	82.7	82.9	82.9
GE 1000	24.5	80.2	83.9	83.9	88.9	88.9	90.1	90.1	90.3	91.1	91.3	91.3	91.8	91.8	92.1	92.1
GE 900	24.5	80.2	83.9	83.9	88.9	88.9	90.1	90.1	90.3	91.1	91.3	91.3	91.8	91.8	92.1	92.1
GE 800	25.0	80.7	84.4	84.4	89.6	89.6	90.8	91.1	91.3	92.1	92.3	92.3	92.8	92.8	93.1	93.1
GE 700	25.5	81.9	86.1	86.1	91.8	91.8	93.3	93.6	93.8	94.6	94.8	94.8	95.3	95.3	95.5	95.5
GE 600	25.5	81.9	86.1	86.1	92.1	92.1	93.6	93.8	94.1	94.8	95.0	95.0	95.5	95.5	95.8	95.8
GE 500	25.5	81.9	86.1	86.1	92.1	92.1	93.6	93.8	94.1	94.8	95.0	95.0	95.8	95.8	96.5	96.5
GE 400	25.5	82.7	87.1	87.1	93.1	93.1	94.6	94.8	95.0	96.0	96.3	96.3	97.3	97.3	98.0	98.0
GE 300	25.5	82.9	87.4	87.4	93.3	93.3	94.8	95.0	95.3	96.3	96.5	96.5	97.8	97.8	98.5	98.5
GE 200	25.5	82.9	87.4	87.4	93.3	93.3	95.0	95.3	95.5	96.5	96.8	96.8	98.0	98.0	99.0	99.3
GE 100	25.5	82.9	87.4	87.4	93.3	93.3	95.0	95.3	95.5	96.5	96.8	96.8	98.0	98.0	99.0	100.0
GE 000	25.5	82.9	87.4	87.4	93.3	93.3	95.0	95.3	95.5	96.5	96.8	96.8	98.0	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 404

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	13.9	31.0	31.5	31.5	32.4	32.4	33.1	33.1	33.2	33.5	33.5	33.5	33.9	33.9	33.9	33.9	33.9
GE 20000	14.0	31.7	32.2	32.2	33.2	33.2	33.8	33.8	33.9	34.3	34.3	34.3	34.6	34.6	34.7	34.7	34.7
GE 18000	14.0	31.8	32.3	32.3	33.3	33.3	33.9	33.9	33.9	34.1	34.4	34.4	34.8	34.8	34.8	34.8	34.8
GE 16000	14.0	31.8	32.3	32.3	33.3	33.3	33.9	33.9	33.9	34.1	34.4	34.4	34.8	34.8	34.8	34.8	34.8
GE 14000	14.1	31.9	32.4	32.4	33.4	33.4	34.1	34.1	34.2	34.5	34.5	34.5	34.9	34.9	35.0	35.0	35.0
GE 12000	14.1	32.0	32.5	32.5	33.5	33.5	34.1	34.1	34.3	34.6	34.6	34.6	35.0	35.0	35.0	35.0	35.0
GE 10000	14.1	32.4	33.0	33.0	34.1	34.1	34.7	34.7	34.8	35.2	35.2	35.2	35.5	35.5	35.6	35.6	35.6
GE 9000	14.1	32.6	33.2	33.2	34.3	34.3	35.0	35.0	35.1	35.4	35.4	35.4	35.8	35.8	35.9	35.9	35.9
GE 8000	14.1	33.0	33.6	33.6	34.7	34.7	35.3	35.3	35.5	35.8	35.8	35.8	36.2	36.2	36.2	36.2	36.2
GE 7000	14.5	34.0	34.6	34.6	35.7	35.7	36.4	36.4	36.5	36.9	36.9	36.9	37.2	37.2	37.3	37.3	37.3
GE 6000	14.5	34.4	35.0	35.0	36.1	36.1	36.8	36.8	36.9	37.2	37.2	37.2	37.6	37.6	37.7	37.7	37.7
GE 5000	14.7	35.9	36.5	36.5	37.8	37.8	38.5	38.5	38.6	39.0	39.0	39.0	39.3	39.3	39.4	39.4	39.4
GE 4500	14.7	36.0	36.6	36.6	37.8	37.8	38.6	38.6	38.7	39.0	39.0	39.0	39.4	39.4	39.5	39.5	39.5
GE 4000	15.0	38.4	39.1	39.1	40.4	40.4	41.1	41.1	41.2	41.6	41.6	41.6	41.9	41.9	42.0	42.0	42.0
GE 3500	15.0	38.5	39.2	39.2	40.5	40.5	41.2	41.2	41.4	41.7	41.7	41.7	42.1	42.1	42.1	42.1	42.1
GE 3000	15.1	40.4	41.2	41.2	42.4	42.4	43.2	43.2	43.3	43.7	43.7	43.7	44.1	44.1	44.2	44.2	44.2
GE 2500	17.4	47.3	48.1	48.1	49.6	49.6	50.4	50.4	50.5	51.0	51.0	51.0	51.5	51.5	51.6	51.6	51.6
GE 2000	17.6	52.2	53.0	53.0	54.8	54.8	55.6	55.6	55.7	56.2	56.2	56.2	56.8	56.8	56.9	56.9	56.9
GE 1800	17.6	52.4	53.2	53.2	55.1	55.1	55.9	55.9	56.0	56.5	56.5	56.5	57.1	57.1	57.2	57.2	57.2
GE 1500	17.8	56.3	57.4	57.4	59.4	59.4	60.2	60.2	60.3	60.9	60.9	60.9	61.5	61.5	61.7	61.7	61.7
GE 1200	23.5	73.5	76.0	76.0	79.3	79.3	80.6	80.6	80.7	81.9	82.0	82.0	82.7	82.7	82.9	82.9	82.9
GE 1000	24.5	79.9	83.4	83.4	87.6	87.8	89.3	89.4	89.5	91.1	91.3	91.3	92.0	92.0	92.3	92.3	92.3
GE 900	24.5	79.9	83.4	83.4	87.6	87.8	89.3	89.4	89.5	91.1	91.4	91.4	92.1	92.1	92.3	92.3	92.3
GE 800	24.7	80.1	83.8	83.8	88.1	88.2	89.7	89.9	90.0	91.7	92.0	92.0	92.8	92.8	93.0	93.0	93.0
GE 700	25.1	81.3	85.5	85.5	90.3	90.4	92.3	92.5	92.6	94.5	94.9	94.9	95.7	95.7	95.9	95.9	95.9
GE 600	25.1	81.3	85.5	85.5	90.4	90.5	92.4	92.6	92.7	94.5	94.9	94.9	95.9	95.9	96.1	96.1	96.1
GE 500	25.1	81.4	85.5	85.5	90.4	90.5	92.6	92.9	93.0	94.9	95.2	95.2	96.3	96.3	96.8	96.9	96.9
GE 400	25.1	82.0	86.2	86.2	91.3	91.4	93.5	93.8	93.9	96.0	96.4	96.4	97.6	97.6	98.2	98.3	98.3
GE 300	25.1	82.0	86.3	86.3	91.4	91.5	93.6	93.8	94.0	96.1	96.4	96.4	97.8	97.8	98.4	98.5	98.5
GE 200	25.1	82.1	86.4	86.4	91.4	91.6	93.7	94.0	94.2	96.3	96.6	96.6	98.3	98.3	99.0	99.3	99.3
GE 100	25.1	82.1	86.4	86.4	91.4	91.6	93.7	94.0	94.2	96.3	96.6	96.6	98.3	98.3	99.2	99.9	99.9
GE 000	25.1	82.1	86.4	86.4	91.4	91.6	93.7	94.0	94.2	96.3	96.6	96.6	98.4	98.4	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 1576

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	18.9	48.0	48.5	48.5	49.5	49.5	50.0	50.2	50.2	50.7	51.2	51.7	52.7	53.0	53.0	54.0	54.2	
GE 20000	18.9	48.5	49.0	49.0	50.0	50.0	50.5	50.7	50.7	51.2	51.7	52.7	53.0	53.0	54.0	54.7		
GE 18000	18.9	48.5	49.0	49.0	50.0	50.0	50.5	50.7	50.7	51.2	51.7	52.7	53.0	53.0	54.0	54.7		
GE 16000	18.9	48.5	49.0	49.0	50.0	50.0	50.5	50.7	50.7	51.2	51.7	52.7	53.0	53.0	54.0	54.7		
GE 14000	18.9	48.8	49.3	49.3	50.2	50.2	50.7	51.0	51.0	51.5	52.0	53.0	53.2	53.2	54.2	55.0		
GE 12000	18.9	48.8	49.3	49.3	50.2	50.2	50.7	51.0	51.0	51.5	52.0	53.0	53.2	53.2	54.2	55.0		
GE 10000	19.7	50.2	50.7	50.7	51.7	51.7	52.2	52.5	52.5	53.0	53.5	54.5	54.7	54.7	55.7	56.5		
GE 9000	19.7	50.2	50.7	50.7	51.7	51.7	52.2	52.5	52.5	53.0	53.5	54.5	54.7	54.7	55.7	56.5		
GE 8000	19.7	50.5	51.0	51.0	52.0	52.0	52.5	52.7	52.7	53.2	53.7	54.7	55.0	55.0	56.0	56.7		
GE 7000	19.7	52.5	53.0	53.0	54.0	54.0	54.5	54.7	54.7	55.5	56.0	57.0	57.2	57.2	58.2	59.0		
GE 6000	19.7	53.2	53.7	53.7	54.7	54.7	55.2	55.5	55.5	56.2	56.7	57.7	58.0	58.0	59.0	59.7		
GE 5000	20.1	55.5	56.0	56.0	57.2	57.2	57.7	58.0	58.0	59.0	59.5	60.4	60.7	60.7	61.7	62.4		
GE 4500	20.1	55.5	56.0	56.0	57.2	57.2	57.7	58.0	58.0	59.0	59.5	60.4	60.7	60.7	61.7	62.4		
GE 4000	20.1	56.0	56.5	56.5	58.0	58.0	58.5	58.7	58.7	59.7	60.2	61.2	61.4	61.4	62.4	63.2		
GE 3500	20.1	56.2	56.7	56.7	58.2	58.2	58.7	59.0	59.0	60.0	60.4	61.4	61.7	61.7	62.7	63.4		
GE 3000	20.1	57.7	58.2	58.2	59.7	59.7	60.4	60.7	60.7	61.7	62.2	63.2	63.4	63.4	64.4	65.2		
GE 2500	20.4	61.2	61.7	61.7	63.2	63.2	64.2	64.4	64.4	65.4	65.9	66.9	67.2	67.2	68.2	68.9		
GE 2000	20.4	61.9	62.4	62.4	64.9	64.9	66.2	66.4	66.4	67.7	68.2	69.2	69.4	69.4	70.4	71.1		
GE 1800	20.4	61.9	62.4	62.4	64.9	64.9	66.2	66.4	66.4	67.7	68.2	69.2	69.4	69.4	70.4	71.1		
GE 1500	20.4	63.9	64.9	64.9	67.4	67.4	68.9	69.2	69.2	70.4	70.9	71.9	72.1	72.1	73.1	73.9		
GE 1200	24.9	73.4	75.4	75.4	79.1	79.1	80.8	81.1	81.1	83.3	83.8	84.8	85.1	85.1	86.1	86.8		
GE 1000	25.9	76.6	79.1	79.1	83.6	83.6	85.6	85.8	85.8	88.1	89.3	90.3	90.5	90.5	92.5	93.3		
GE 900	25.9	76.6	79.4	79.4	83.8	83.8	85.8	86.1	86.1	88.3	89.6	90.5	90.8	90.8	92.8	93.5		
GE 800	25.9	76.6	79.4	79.4	84.1	84.1	86.3	86.6	86.6	88.8	90.0	91.0	91.3	91.3	93.3	94.0		
GE 700	27.4	78.9	81.6	81.6	86.6	86.6	88.8	89.1	89.1	91.3	92.5	93.5	93.8	93.8	95.8	96.5		
GE 600	27.4	78.9	81.6	81.6	86.6	86.6	88.8	89.1	89.1	91.3	92.5	93.5	94.0	94.0	96.0	96.8		
GE 500	27.4	78.9	81.6	81.6	86.6	86.6	89.1	89.3	89.3	91.8	93.0	94.0	94.5	94.5	96.5	97.5		
GE 400	27.4	78.9	81.6	81.6	86.6	86.6	89.1	89.3	89.3	91.8	93.0	94.0	94.5	94.5	96.5	97.5		
GE 300	27.4	78.9	81.6	81.6	86.8	86.8	89.3	89.6	89.6	92.0	93.3	94.3	94.8	94.8	96.8	97.8		
GE 200	27.4	79.1	81.8	81.8	87.1	87.1	89.6	89.8	89.8	92.3	93.5	94.5	95.3	95.3	97.5	98.5		
GE 100	27.4	79.1	81.8	81.8	87.1	87.1	89.6	89.8	89.8	92.3	93.5	94.5	95.3	95.3	98.8	99.8		
GE 000	27.4	79.1	81.8	81.8	87.1	87.1	89.6	89.8	89.8	92.3	93.5	94.5	95.3	95.3	98.8	100.0		

TOTAL NUMBER OF OBSERVATIONS 402

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.1	45.8	46.4	46.4	48.5	48.5	48.8	49.3	49.3	50.9	51.2	51.2	53.1	53.1	53.6	54.2
GE 20000	18.1	46.4	46.9	46.9	49.1	49.1	49.3	49.9	49.9	51.5	51.8	51.8	53.6	53.6	54.2	54.7
GE 18000	18.1	46.4	46.9	46.9	49.1	49.1	49.3	49.9	49.9	51.5	51.8	51.8	53.6	53.6	54.2	54.7
GE 16000	18.1	46.4	46.9	46.9	49.1	49.1	49.3	49.9	49.9	51.5	51.8	51.8	53.6	53.6	54.2	54.7
GE 14000	18.1	46.4	46.9	46.9	49.1	49.1	49.3	49.9	49.9	51.5	51.8	51.8	53.6	53.6	54.2	54.7
GE 12000	18.1	46.4	46.9	46.9	49.1	49.1	49.3	49.9	49.9	51.5	51.8	51.8	53.6	53.6	54.2	54.7
GE 10000	18.1	47.7	48.2	48.2	50.4	50.4	50.7	51.2	51.2	52.8	53.1	53.1	55.0	55.0	55.5	56.1
GE 9000	18.1	48.0	48.5	48.5	50.7	50.7	50.9	51.5	51.5	53.1	53.4	53.4	55.3	55.3	55.8	56.3
GE 8000	18.1	48.0	48.5	48.5	50.7	50.7	50.9	51.5	51.5	53.1	53.4	53.4	55.3	55.3	55.8	56.3
GE 7000	18.1	48.8	49.3	49.3	51.5	51.5	51.8	52.3	52.3	53.9	54.2	54.2	56.1	56.1	56.6	57.1
GE 6000	18.1	48.8	49.3	49.3	51.5	51.5	51.8	52.3	52.3	53.9	54.2	54.2	56.1	56.1	56.6	57.1
GE 5000	18.3	50.4	50.9	50.9	53.1	53.1	53.4	53.9	53.9	55.5	55.8	55.8	57.7	57.7	58.2	58.8
GE 4500	18.3	50.4	50.9	50.9	53.1	53.1	53.4	53.9	53.9	55.5	55.8	55.8	57.7	57.7	58.2	58.8
GE 4000	18.3	50.9	51.5	51.5	53.6	53.6	53.9	54.4	54.4	56.3	56.6	56.6	58.8	58.8	59.3	59.8
GE 3500	18.3	50.9	51.5	51.5	53.6	53.6	53.9	54.4	54.4	56.3	56.6	56.6	58.8	58.8	59.3	59.8
GE 3000	18.3	52.6	53.1	53.1	55.3	55.3	55.5	56.1	56.1	58.0	58.2	58.2	60.4	60.4	60.9	61.5
GE 2500	18.3	57.1	58.0	58.0	60.1	60.1	60.4	60.9	60.9	62.8	63.1	63.1	65.2	65.2	65.8	66.3
GE 2000	18.6	59.3	60.1	60.1	62.3	62.3	62.5	63.1	63.1	65.0	65.2	65.2	67.4	67.4	67.9	68.5
GE 1800	18.6	59.8	60.6	60.6	62.8	62.8	63.1	63.6	63.6	65.5	65.8	65.8	67.9	67.9	68.5	69.0
GE 1500	19.1	61.5	63.3	63.3	65.5	65.5	66.3	66.8	66.8	69.0	69.3	69.3	71.4	71.4	72.0	72.5
GE 1200	21.8	71.2	73.9	73.9	77.4	77.4	78.7	79.5	79.5	82.2	82.5	82.5	84.9	84.9	86.0	86.5
GE 1000	24.3	76.8	80.3	80.3	84.6	84.6	86.3	87.1	87.1	90.0	90.6	90.6	93.0	93.0	94.3	94.9
GE 900	24.3	76.8	80.3	80.3	84.6	84.6	86.3	87.1	87.1	90.0	90.6	90.6	93.3	93.3	94.6	95.1
GE 800	24.3	76.8	80.3	80.3	85.2	85.2	86.8	87.6	87.6	90.6	91.1	91.1	93.8	93.8	95.1	95.7
GE 700	24.3	78.2	81.7	81.7	86.5	86.5	88.1	88.9	88.9	91.9	92.5	92.5	95.1	95.1	96.5	97.0
GE 600	24.3	78.2	81.7	81.7	86.5	86.5	88.4	89.2	89.2	92.2	92.7	92.7	95.4	95.4	96.8	97.3
GE 500	24.3	78.2	81.7	81.7	86.5	86.5	88.4	89.2	89.2	92.2	92.7	92.7	95.4	95.4	96.8	97.3
GE 400	24.3	78.4	81.9	81.9	87.1	87.1	88.9	89.8	89.8	93.0	93.5	93.5	96.5	96.5	97.8	98.4
GE 300	24.3	78.4	81.9	81.9	87.1	87.1	89.2	90.0	90.0	93.3	93.8	93.8	96.8	96.8	98.1	98.9
GE 200	24.3	78.4	81.9	81.9	87.1	87.1	89.2	90.0	90.0	93.3	93.8	93.8	97.0	97.0	98.4	99.5
GE 100	24.3	78.7	82.2	82.2	87.3	87.3	89.5	90.3	90.3	93.5	94.1	94.1	97.3	97.3	98.7	100.0
GE 000	24.3	78.7	82.2	82.2	87.3	87.3	89.5	90.3	90.3	93.5	94.1	94.1	97.3	97.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 371

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.0	39.4	40.2	40.2	42.8	42.8	43.4	43.6	43.6	44.1	44.7	44.7	45.7	46.3	46.8	48.7
GE 20000	17.3	40.2	41.0	41.0	43.6	43.6	44.1	44.4	44.4	44.9	45.5	45.5	46.5	47.1	47.6	49.5
GE 18000	17.3	40.2	41.0	41.0	43.6	43.6	44.1	44.4	44.4	44.9	45.5	45.5	46.5	47.1	47.6	49.5
GE 16000	17.3	40.2	41.0	41.0	43.6	43.6	44.1	44.4	44.4	44.9	45.5	45.5	46.5	47.1	47.6	49.5
GE 14000	17.3	41.2	42.0	42.0	44.7	44.7	45.2	45.5	45.5	46.0	46.5	46.5	47.6	48.1	48.7	50.5
GE 12000	17.3	41.2	42.0	42.0	44.7	44.7	45.2	45.5	45.5	46.0	46.5	46.5	47.6	48.1	48.7	50.5
GE 10000	18.1	42.8	43.6	43.6	46.3	46.3	46.8	47.1	47.1	47.6	48.1	48.1	49.2	49.7	50.3	52.1
GE 9000	18.1	43.1	43.9	43.9	46.5	46.5	47.1	47.3	47.3	47.9	48.4	48.4	49.5	50.0	50.5	52.4
GE 8000	18.1	43.4	44.1	44.1	46.8	46.8	47.3	47.6	47.6	48.1	48.7	48.7	49.7	50.3	50.8	52.7
GE 7000	18.1	44.1	45.2	45.2	47.9	47.9	48.4	48.7	48.7	49.2	49.7	49.7	50.8	51.3	51.9	53.7
GE 6000	18.1	44.4	45.5	45.5	48.4	48.4	48.9	49.2	49.2	49.7	50.3	50.3	51.3	51.9	52.4	54.3
GE 5000	18.4	47.1	48.1	48.1	51.1	51.1	51.6	51.9	51.9	52.4	52.9	53.2	54.5	55.1	55.6	57.4
GE 4500	18.4	47.1	48.1	48.1	51.1	51.1	51.6	51.9	51.9	52.4	52.9	53.2	54.5	55.1	55.6	57.4
GE 4000	18.9	48.9	50.0	50.0	52.9	52.9	53.5	53.7	53.7	54.3	54.8	55.1	56.4	56.9	57.4	59.3
GE 3500	18.9	49.2	50.3	50.3	53.2	53.2	53.7	54.0	54.0	54.5	55.1	55.3	56.6	57.2	57.7	59.6
GE 3000	19.1	50.5	51.6	51.6	54.8	54.8	55.3	55.6	55.6	56.1	56.6	56.9	58.2	58.8	59.6	61.4
GE 2500	19.7	53.7	55.1	55.1	58.2	58.2	58.8	59.3	59.3	59.8	60.4	60.6	62.0	62.5	63.3	65.2
GE 2000	20.5	55.6	56.9	56.9	60.1	60.1	60.6	61.2	61.2	61.7	62.2	62.5	63.8	64.4	65.2	67.0
GE 1800	20.5	55.6	56.9	56.9	60.1	60.1	60.6	61.2	61.2	61.7	62.2	62.5	63.8	64.4	65.2	67.0
GE 1500	21.0	57.2	59.0	59.0	62.2	62.2	63.0	63.6	63.6	64.4	64.9	65.2	66.5	67.0	67.8	69.7
GE 1200	23.1	64.6	67.6	67.6	71.3	71.3	72.1	72.6	72.6	74.5	75.0	75.3	76.9	77.4	78.2	80.3
GE 1000	24.2	67.6	71.0	71.0	75.8	75.8	77.1	77.7	77.7	80.9	81.4	81.6	83.5	84.0	85.1	87.5
GE 900	24.2	67.6	71.0	71.0	76.1	76.1	77.4	77.9	77.9	81.1	81.6	81.9	83.8	84.3	85.4	87.8
GE 800	24.2	68.1	71.5	71.5	77.1	77.1	78.5	79.0	79.0	82.2	82.7	83.0	84.8	85.4	86.4	88.8
GE 70J	24.2	68.9	72.6	72.6	78.2	78.2	79.5	80.1	80.1	83.5	84.0	84.3	86.2	86.7	88.0	90.4
GE 600	24.2	68.9	72.5	72.6	78.2	78.2	79.5	80.1	80.1	83.5	84.0	84.3	86.2	86.7	88.0	90.4
GE 500	24.2	68.9	72.6	72.6	78.5	78.5	79.8	80.6	80.6	84.0	84.6	84.8	86.7	87.2	89.1	91.8
GE 400	24.2	69.7	73.7	73.7	80.1	80.1	81.4	82.4	82.4	86.4	87.2	87.5	89.4	89.9	92.0	94.7
GE 300	24.2	69.7	73.7	73.7	80.3	80.3	81.9	83.0	83.0	87.0	87.8	88.0	90.2	90.7	92.8	95.5
GE 200	24.2	69.7	73.7	73.7	80.3	80.3	81.9	83.0	83.0	87.0	87.8	88.0	90.7	91.5	93.6	96.8
GE 100	24.2	69.7	73.7	73.7	80.3	80.3	81.9	83.0	83.0	87.0	87.8	88.0	90.7	91.5	94.4	99.7
GE 000	24.2	69.7	73.7	73.7	80.3	80.3	81.9	83.0	83.0	87.0	87.8	88.0	90.7	91.5	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 176

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.6	46.0	46.5	46.5	48.0	48.0	48.7	49.0	49.0	50.0	50.3	50.3	50.8	50.8	51.3	52.5
GE 20000	18.8	46.2	46.7	46.7	48.2	48.2	49.0	49.2	49.2	50.3	50.5	50.5	51.0	51.0	51.5	52.8
GE 18000	18.8	46.2	46.7	46.7	48.2	48.2	49.0	49.2	49.2	50.3	50.5	50.5	51.0	51.0	51.5	52.8
GE 16000	18.8	46.2	46.7	46.7	48.2	48.2	49.0	49.2	49.2	50.3	50.5	50.5	51.0	51.0	51.5	52.8
GE 14000	18.8	46.2	46.7	46.7	48.2	48.2	49.0	49.2	49.2	50.3	50.5	50.5	51.0	51.0	51.5	52.8
GE 12000	18.8	46.2	46.7	46.7	48.2	48.2	49.0	49.2	49.2	50.3	50.5	50.5	51.0	51.0	51.5	52.8
GE 10000	18.8	46.7	47.2	47.2	48.7	48.7	49.5	49.7	49.7	50.8	51.0	51.0	51.5	51.5	52.0	53.3
GE 9000	18.8	46.7	47.2	47.2	48.7	48.7	49.5	49.7	49.7	50.8	51.0	51.0	51.5	51.5	52.0	53.3
GE 8000	18.8	45.7	47.2	47.2	48.7	48.7	49.5	49.7	49.7	50.8	51.0	51.0	51.5	51.5	52.0	53.3
GE 7000	19.1	47.5	48.0	48.0	49.5	49.5	50.3	50.5	50.5	51.5	51.8	51.8	52.5	52.5	53.0	54.3
GE 6000	19.1	48.0	48.5	48.5	50.3	50.3	51.0	51.3	51.3	52.3	52.5	52.5	53.3	53.3	53.8	55.0
GE 5000	19.6	49.5	50.3	50.3	52.0	52.0	52.8	53.0	53.0	54.0	54.3	54.3	55.0	55.0	55.5	56.8
GE 4500	19.6	49.5	50.3	50.3	52.0	52.0	52.8	53.0	53.0	54.0	54.3	54.3	55.0	55.0	55.5	56.8
GE 4000	19.6	51.0	51.8	51.8	53.5	53.5	54.5	54.8	54.8	55.8	56.0	56.0	56.8	56.8	57.3	58.5
GE 3500	19.6	51.3	52.0	52.0	53.8	53.8	54.8	55.0	55.0	56.0	56.3	56.3	57.0	57.0	57.5	58.8
GE 3000	19.6	53.3	54.0	54.0	55.8	55.8	57.0	57.3	57.3	58.3	58.5	58.5	59.3	59.3	59.8	61.1
GE 2500	21.4	58.3	59.0	59.0	61.1	61.1	62.3	62.6	62.6	63.6	63.8	63.8	64.6	64.6	65.1	66.3
GE 2000	21.6	59.5	60.3	60.3	62.3	62.3	63.8	64.1	64.1	65.1	65.3	65.3	66.1	66.3	66.8	68.1
GE 1800	21.6	59.5	60.3	60.3	62.3	62.3	63.8	64.1	64.1	65.1	65.3	65.3	66.1	66.3	66.8	68.1
GE 1500	21.6	61.6	62.8	62.8	65.3	65.3	66.8	67.1	67.1	68.1	68.3	68.3	69.1	69.3	69.8	71.1
GE 1200	25.4	69.3	71.9	71.9	75.6	75.6	77.1	77.4	77.4	78.9	79.1	79.1	80.2	80.4	80.9	82.2
GE 1000	26.9	74.4	77.6	77.6	81.9	81.9	84.2	84.9	84.9	88.2	88.4	88.4	89.7	89.9	90.5	92.0
GE 900	26.9	74.4	77.6	77.6	81.9	81.9	84.2	84.9	84.9	88.2	88.4	88.4	89.7	89.9	90.5	92.0
GE 800	26.9	74.4	77.6	77.6	81.9	81.9	84.2	85.2	85.2	88.7	88.9	88.9	90.2	90.5	91.0	92.5
GE 700	28.6	77.1	80.7	80.7	85.2	85.2	87.4	88.4	88.4	92.2	92.5	92.5	93.7	94.0	94.5	96.0
GE 600	28.6	77.1	80.7	80.7	85.4	85.4	87.7	88.7	88.7	92.5	92.7	92.7	94.0	94.2	94.7	96.2
GE 500	28.6	77.1	80.7	80.7	85.4	85.4	87.7	88.7	88.7	92.7	93.0	93.0	94.2	94.5	95.0	96.5
GE 400	28.6	77.1	80.7	80.7	85.4	85.4	87.7	88.7	88.7	93.0	93.2	93.2	94.7	95.0	95.5	97.0
GE 300	28.6	77.1	80.7	80.7	85.4	85.4	87.7	88.7	88.7	93.0	93.2	93.2	95.0	95.2	95.7	97.2
GE 200	28.6	77.1	80.7	80.7	85.4	85.4	87.7	88.7	88.7	93.0	93.2	93.2	95.2	95.5	96.0	97.5
GE 100	28.6	77.1	80.7	80.7	85.4	85.4	87.7	88.7	88.7	93.0	93.2	93.2	95.2	95.5	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 398

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.2	44.9	45.4	45.4	47.3	47.3	47.8	48.1	48.1	49.0	49.4	49.6	50.5	50.7	51.3	52.4
GE 20000	18.3	45.4	46.0	46.0	47.8	47.8	48.3	48.6	48.6	49.5	49.9	50.2	51.1	51.2	51.8	52.9
GE 18000	18.3	45.4	46.0	46.0	47.8	47.8	48.3	48.6	48.6	49.5	49.9	50.2	51.1	51.2	51.8	52.9
GE 16000	18.3	45.4	46.0	46.0	47.8	47.8	48.3	48.6	48.6	49.5	49.9	50.2	51.1	51.2	51.8	52.9
GE 14000	18.3	45.7	46.3	46.3	48.1	48.1	48.6	48.9	48.9	49.8	50.2	50.5	51.4	51.5	52.2	53.3
GE 12000	18.3	45.7	46.3	46.3	48.1	48.1	48.6	48.9	48.9	49.8	50.2	50.5	51.4	51.5	52.2	53.3
GE 10000	18.7	46.9	47.5	47.5	49.3	49.3	49.8	50.2	50.2	51.1	51.5	51.7	52.6	52.7	53.4	54.5
GE 9000	18.7	47.1	47.6	47.6	49.5	49.5	50.0	50.3	50.3	51.2	51.6	51.8	52.7	52.9	53.5	54.6
GE 8000	18.7	47.2	47.8	47.8	49.6	49.6	50.1	50.4	50.4	51.3	51.7	52.0	52.9	53.0	53.7	54.8
GE 7000	18.7	48.3	48.9	48.9	50.7	50.7	51.3	51.6	51.6	52.6	52.9	53.2	54.2	54.3	54.9	56.0
GE 6000	18.7	48.7	49.3	49.3	51.3	51.3	51.8	52.1	52.1	53.1	53.5	53.7	54.7	54.8	55.5	56.6
GE 5000	19.1	50.7	51.4	51.4	53.4	53.4	53.9	54.2	54.2	55.3	55.7	56.0	57.0	57.1	57.8	58.9
GE 4500	19.1	50.7	51.4	51.4	53.4	53.4	53.9	54.2	54.2	55.3	55.7	56.0	57.0	57.1	57.8	58.9
GE 4000	19.3	51.8	52.5	52.5	54.6	54.6	55.1	55.5	55.5	56.6	56.9	57.3	58.4	58.5	59.1	60.2
GE 3500	19.3	52.0	52.7	52.7	54.8	54.8	55.3	55.7	55.7	56.8	57.1	57.5	58.6	58.7	59.3	60.4
GE 3000	19.3	53.6	54.3	54.3	56.4	56.4	57.1	57.5	57.5	58.6	59.0	59.3	60.4	60.5	61.2	62.3
GE 2500	20.0	57.7	58.5	58.5	60.7	60.7	61.5	61.9	61.9	63.0	63.3	63.7	64.8	64.9	65.6	66.7
GE 2000	20.3	59.1	60.0	60.0	62.4	62.4	63.3	63.7	63.7	64.9	65.3	65.6	66.7	66.9	67.6	68.7
GE 1800	20.3	59.3	60.1	60.1	62.6	62.6	63.5	63.9	63.9	65.0	65.4	65.7	66.8	67.0	67.7	68.8
GE 1500	20.6	61.1	62.6	62.6	65.2	65.2	66.3	66.7	66.7	68.0	68.4	68.7	69.8	70.0	70.7	71.8
GE 1200	23.9	69.7	72.2	72.2	75.9	75.9	77.2	77.7	77.7	79.8	80.2	80.5	81.8	82.0	82.8	84.0
GE 1000	25.3	73.9	77.1	77.1	81.5	81.5	83.3	83.9	83.9	86.8	87.5	87.8	89.2	89.4	90.6	91.9
GE 900	25.3	73.9	77.1	77.1	81.6	81.6	83.5	84.0	84.0	86.9	87.6	87.9	89.4	89.6	90.8	92.1
GE 800	25.3	74.0	77.2	77.2	82.1	82.1	84.0	84.6	84.6	87.6	88.2	88.6	90.0	90.2	91.5	92.8
GE 700	26.2	75.8	79.2	79.2	84.2	84.2	86.0	86.7	86.7	89.8	90.4	90.8	92.2	92.4	93.7	95.0
GE 600	26.2	75.8	79.2	79.2	84.2	84.2	86.2	86.8	86.8	89.9	90.6	90.9	92.4	92.6	93.9	95.2
GE 500	26.2	75.8	79.2	79.2	84.3	84.3	86.3	87.0	87.0	90.2	90.9	91.2	92.8	93.0	94.4	95.8
GE 400	26.2	76.1	79.5	79.5	84.8	84.8	86.8	87.6	87.6	91.1	91.8	92.1	93.8	94.0	95.5	96.9
GE 300	26.2	76.1	79.5	79.5	84.9	84.9	87.1	87.8	87.8	91.3	92.0	92.4	94.2	94.4	95.9	97.3
GE 200	26.2	76.1	79.6	79.6	85.0	85.0	87.1	87.9	87.9	91.4	92.1	92.4	94.6	94.9	96.4	98.1
GE 100	26.2	76.2	79.6	79.6	85.1	85.1	87.2	88.0	88.0	91.5	92.2	92.5	94.6	95.0	97.3	99.9
GE 000	26.2	76.2	79.6	79.6	85.1	85.1	87.2	88.0	88.0	91.5	92.2	92.5	94.6	95.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1547

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210

STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	15.2	48.0	50.5	50.5	52.5	52.5	54.3	54.6	54.6	57.6	57.9	57.9	59.4	59.4	60.7	61.9	
GE 20000	15.5	49.0	51.5	51.5	53.6	53.6	55.6	55.8	55.8	58.9	59.1	59.1	60.7	60.7	61.9	63.2	
GE 18000	15.5	49.0	51.5	51.5	53.6	53.6	55.6	55.8	55.8	58.9	59.1	59.1	60.7	60.7	61.9	63.2	
GE 16000	15.5	49.0	51.5	51.5	53.6	53.6	55.6	55.8	55.8	58.9	59.1	59.1	60.7	60.7	61.9	63.2	
GE 14000	15.5	49.2	51.8	51.8	53.8	53.8	55.8	56.1	56.1	59.1	59.4	59.4	60.9	60.9	62.2	63.5	
GE 12000	15.5	49.2	51.8	51.8	53.8	53.8	55.8	56.1	56.1	59.1	59.4	59.4	60.9	60.9	62.2	63.5	
GE 10000	15.5	52.0	54.6	54.6	56.9	56.9	58.9	59.1	59.1	62.4	62.7	62.7	64.2	64.2	65.5	66.8	
GE 9000	15.5	52.5	55.1	55.1	57.6	57.6	59.6	59.9	59.9	63.2	63.5	63.5	65.0	65.0	66.2	67.5	
GE 8000	15.5	53.0	55.8	55.8	58.4	58.4	60.4	60.7	60.7	64.0	64.2	64.2	65.7	65.7	67.0	68.3	
GE 7000	15.7	54.1	56.9	56.9	59.4	59.4	61.4	61.7	61.7	65.0	65.2	65.2	66.8	66.8	68.0	69.3	
GE 6000	15.7	55.3	58.1	58.1	60.7	60.7	62.7	62.9	62.9	66.2	66.5	66.5	68.0	68.0	69.3	70.6	
GE 5000	15.7	56.6	59.4	59.4	61.9	61.9	64.0	64.2	64.2	67.5	67.8	67.8	69.3	69.3	70.6	71.8	
GE 4500	15.7	56.6	59.4	59.4	61.9	61.9	64.0	64.2	64.2	67.5	67.8	67.8	69.3	69.3	70.6	71.8	
GE 4000	15.7	57.6	60.4	60.4	62.9	62.9	65.2	65.5	65.5	68.8	69.0	69.0	70.6	70.6	71.8	73.1	
GE 3500	15.7	57.6	60.4	60.4	62.9	62.9	65.2	65.5	65.5	68.8	69.0	69.0	70.6	70.6	71.8	73.1	
GE 3000	15.7	57.9	60.9	60.9	63.5	63.5	65.7	66.0	66.0	69.3	69.5	69.5	71.1	71.1	72.3	73.6	
GE 2500	16.2	60.2	63.2	63.2	65.7	65.7	68.0	68.3	68.3	71.6	71.8	71.8	73.4	73.4	74.6	75.9	
GE 2000	17.0	62.7	65.7	65.7	68.3	68.3	70.6	70.8	70.8	74.1	74.4	74.4	76.1	76.1	77.4	78.7	
GE 1800	17.0	62.7	65.7	65.7	68.3	68.3	70.6	70.8	70.8	74.1	74.4	74.4	76.1	76.1	77.4	78.7	
GE 1500	17.0	62.7	66.0	66.0	68.5	68.5	70.8	71.1	71.1	74.4	74.6	74.6	76.6	76.6	77.9	79.2	
GE 1200	19.8	67.8	71.1	71.1	74.6	74.6	77.2	77.4	77.4	81.0	81.2	81.5	83.5	83.8	85.0	86.5	
GE 1000	20.1	72.6	76.1	76.1	79.9	79.9	82.5	82.7	82.7	86.8	87.1	87.6	90.4	90.6	91.9	93.4	
GE 900	20.1	72.6	76.1	76.1	79.9	79.9	82.5	82.7	82.7	86.8	87.1	87.6	90.4	90.6	91.9	93.4	
GE 800	20.1	72.6	76.1	76.1	79.9	79.9	82.7	83.0	83.0	87.1	87.3	87.8	90.6	90.9	92.1	93.7	
GE 700	20.1	72.8	76.4	76.4	80.2	80.2	83.0	83.2	83.2	87.6	87.8	88.3	91.1	91.4	92.6	94.2	
GE 600	20.1	72.8	76.4	76.4	80.2	80.2	83.0	83.2	83.2	87.6	87.8	88.3	91.1	91.4	92.6	94.2	
GE 500	20.1	72.8	76.4	76.4	80.5	80.5	83.2	83.5	83.5	87.8	88.1	88.6	91.6	91.9	93.1	94.7	
GE 400	20.1	72.8	76.4	76.4	80.5	80.5	83.2	83.5	83.5	88.3	88.6	89.1	92.1	92.4	93.7	95.2	
GE 300	20.1	72.8	76.4	76.4	80.5	80.5	83.2	83.5	83.5	88.3	88.6	89.1	92.4	92.9	94.2	96.2	
GE 200	20.1	72.8	76.4	76.4	80.5	80.5	83.2	83.5	83.5	88.3	88.6	89.1	93.7	94.4	95.9	98.5	
GE 100	20.1	72.8	76.4	76.4	80.5	80.5	83.2	83.5	83.5	88.3	88.6	89.1	93.7	94.4	97.0	99.7	
GE 000	20.1	72.8	76.4	76.4	80.5	80.5	83.2	83.5	83.5	88.3	88.6	89.1	93.7	94.4	97.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 394

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	15.6	50.0	52.2	52.2	54.3	54.3	55.9	56.2	56.2	59.1	59.4	59.4	60.8	60.8	63.2	64.0		
GE 20000	15.6	50.0	52.2	52.2	54.3	54.3	55.9	56.2	56.2	59.1	59.4	59.4	60.8	60.8	63.2	64.0		
GE 18000	15.6	50.0	52.2	52.2	54.3	54.3	55.9	56.2	56.2	59.1	59.4	59.4	60.8	60.8	63.2	64.0		
GE 16000	15.6	50.0	52.2	52.2	54.3	54.3	55.9	56.2	56.2	59.1	59.4	59.4	60.8	60.8	63.2	64.0		
GE 14000	15.6	50.0	52.2	52.2	54.3	54.3	55.9	56.2	56.2	59.1	59.4	59.4	60.8	60.8	63.2	64.0		
GE 12000	15.6	50.0	52.2	52.2	54.3	54.3	55.9	56.2	56.2	59.1	59.4	59.4	60.8	60.8	63.2	64.0		
GE 10000	15.6	51.6	53.8	53.8	55.9	55.9	57.5	57.8	57.8	60.8	61.0	61.0	62.4	62.4	64.8	65.6		
GE 9000	15.6	52.2	54.3	54.3	56.5	56.5	58.1	58.3	58.3	61.3	61.6	61.6	62.9	62.9	65.3	66.1		
GE 8000	15.6	52.7	54.8	54.8	57.0	57.0	58.6	58.9	58.9	61.8	62.1	62.1	63.4	63.4	65.9	66.7		
GE 7000	15.9	54.3	56.5	56.5	58.9	58.9	60.5	60.8	60.8	63.7	64.2	64.2	65.6	65.6	68.3	69.1		
GE 6000	15.9	55.1	57.5	57.5	59.9	59.9	61.6	61.8	61.8	65.1	65.6	65.6	66.9	66.9	69.6	70.4		
GE 5000	16.1	55.6	58.1	58.1	60.5	60.5	62.1	62.4	62.4	65.6	66.1	66.1	67.5	67.5	70.2	71.0		
GE 4500	16.1	55.6	58.1	58.1	60.5	60.5	62.1	62.4	62.4	65.6	66.1	66.1	67.5	67.5	70.2	71.0		
GE 4000	16.1	56.7	59.1	59.1	61.6	61.6	63.2	63.4	63.4	66.7	67.2	67.2	68.5	68.5	71.2	72.0		
GE 3500	16.1	56.7	59.1	59.1	61.6	61.6	63.2	63.4	63.4	66.7	67.2	67.2	68.5	68.5	71.2	72.0		
GE 3000	16.1	58.1	60.8	60.8	63.4	63.4	65.1	65.3	65.3	68.5	69.1	69.1	70.4	70.4	73.1	73.9		
GE 2500	16.9	60.5	63.4	63.4	66.4	66.4	68.3	68.5	68.5	71.8	72.3	72.3	73.7	73.7	76.3	77.2		
GE 2000	17.5	62.9	66.1	66.1	69.4	69.4	71.2	71.5	71.5	74.7	75.3	75.3	76.6	76.6	79.3	80.1		
GE 1800	17.5	62.9	66.1	66.1	69.4	69.4	71.2	71.5	71.5	74.7	75.3	75.3	76.6	76.6	79.3	80.1		
GE 1500	17.5	63.4	66.7	66.7	69.9	69.9	71.8	72.0	72.0	75.3	75.8	75.8	77.2	77.2	79.8	80.6		
GE 1200	20.2	68.5	72.3	72.3	76.3	76.3	78.5	78.8	78.8	82.0	82.5	82.5	84.4	84.4	87.1	87.9		
GE 1000	21.0	71.2	75.3	75.3	80.4	80.4	82.5	82.8	82.8	86.8	87.4	87.4	89.5	89.5	92.7	93.5		
GE 900	21.0	71.2	75.3	75.3	80.4	80.4	82.5	82.8	82.8	86.8	87.4	87.4	89.5	89.5	92.7	93.5		
GE 800	21.0	71.2	75.3	75.3	80.9	80.9	83.1	83.3	83.3	87.4	87.9	87.9	90.1	90.1	93.3	94.1		
GE 700	21.2	71.8	75.8	75.8	81.5	81.5	83.6	83.9	83.9	87.9	88.4	88.4	90.6	90.6	93.8	94.6		
GE 600	21.2	71.8	75.8	75.8	81.5	81.5	83.6	83.9	83.9	88.2	88.7	88.7	90.9	90.9	94.1	94.9		
GE 500	21.2	71.8	75.8	75.8	81.5	81.5	83.6	83.9	83.9	88.2	88.7	88.7	91.1	91.1	94.4	95.2		
GE 400	21.2	71.8	75.8	75.8	81.5	81.5	83.6	83.9	83.9	88.4	89.0	89.0	91.7	91.7	94.9	95.7		
GE 300	21.2	71.8	75.8	75.8	81.5	81.5	83.6	83.9	83.9	88.4	89.0	89.0	91.9	92.2	95.7	96.8		
GE 200	21.2	71.8	75.8	75.8	81.5	81.5	83.6	83.9	83.9	88.4	89.0	89.0	91.9	92.2	96.0	97.0		
GE 100	21.2	71.8	75.8	75.8	81.5	81.5	83.6	83.9	83.9	88.4	89.0	89.0	91.9	92.2	97.6	99.5		
GE 000	21.2	71.8	75.8	75.8	81.5	81.5	83.6	83.9	83.9	88.4	89.0	89.2	92.2	92.5	97.8	100.0		

TOTAL NUMBER OF OBSERVATIONS 372

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	15.8	41.0	41.6	41.6	43.4	43.4	44.8	45.0	45.0	48.0	49.1	49.3	50.1	50.1	53.4	55.0		
GE 20000	15.8	41.0	41.6	41.6	43.4	43.4	44.8	45.0	45.0	48.0	49.1	49.3	50.1	50.1	53.4	55.0		
GE 18000	15.8	41.3	41.8	41.8	43.7	43.7	45.0	45.3	45.3	48.3	49.3	49.6	50.4	50.4	53.6	55.2		
GE 16000	15.8	41.6	42.1	42.1	44.0	44.0	45.3	45.6	45.6	48.5	49.6	49.9	50.7	50.7	53.9	55.5		
GE 14000	15.8	41.8	42.4	42.4	44.2	44.2	45.6	45.8	45.8	48.8	49.9	50.1	50.9	50.9	54.2	55.8		
GE 12000	15.8	41.8	42.4	42.4	44.2	44.2	45.6	45.8	45.8	48.8	49.9	50.1	50.9	50.9	54.2	55.8		
GE 10000	16.4	44.0	44.5	44.5	46.4	46.4	47.7	48.0	48.0	51.2	52.3	52.5	53.4	53.4	56.6	58.2		
GE 9000	16.4	45.0	45.6	45.6	47.5	47.5	48.8	49.1	49.1	52.3	53.4	53.6	54.4	54.4	57.6	59.2		
GE 8000	16.4	45.8	46.4	46.4	48.3	48.3	49.6	49.9	49.9	53.1	54.2	54.7	55.5	55.5	58.7	60.3		
GE 7000	16.4	46.4	46.9	46.9	48.8	48.8	50.1	50.4	50.4	53.6	55.0	55.5	56.3	56.3	59.5	61.4		
GE 6000	16.4	47.2	47.7	47.7	49.6	49.6	50.9	51.2	51.2	54.4	55.8	56.6	57.4	57.4	61.1	63.0		
GE 5000	17.2	48.8	49.6	49.6	51.7	51.7	53.1	53.4	53.4	56.6	57.9	58.7	59.5	59.5	6.5	65.4		
GE 4500	17.2	48.8	49.6	49.6	51.7	51.7	53.1	53.4	53.4	56.6	57.9	58.7	59.5	59.5	63.5	65.4		
GE 4000	17.4	50.7	51.5	51.5	53.6	53.6	55.0	55.2	55.2	58.4	59.8	60.6	61.4	61.4	65.4	67.3		
GE 3500	17.4	50.7	51.5	51.5	53.6	53.6	55.0	55.2	55.2	58.4	59.8	60.6	61.4	61.4	65.4	67.3		
GE 3000	17.7	51.7	52.5	52.5	54.7	54.7	56.0	56.3	56.3	59.8	61.1	61.9	62.7	62.7	66.8	68.9		
GE 2500	18.5	53.9	54.7	54.7	57.1	57.1	58.7	59.0	59.0	62.5	63.8	64.6	65.4	65.4	69.4	71.6		
GE 2000	19.3	56.0	56.8	56.8	59.5	59.5	61.1	61.4	61.4	65.4	66.8	67.6	68.6	68.6	72.7	74.8		
GE 1800	19.3	56.0	56.8	56.8	59.5	59.5	61.1	61.4	61.4	65.4	66.8	67.6	68.6	68.6	72.7	74.8		
GE 1500	19.3	56.8	57.6	57.6	60.3	60.3	61.9	62.2	62.2	66.2	67.6	68.6	69.7	69.7	73.7	75.9		
GE 1200	20.6	59.5	60.9	60.9	64.1	64.1	66.5	66.8	66.8	71.8	73.2	74.3	76.4	76.4	80.4	82.6		
GE 1000	22.3	63.0	64.9	64.9	69.2	69.2	72.7	72.9	72.9	78.0	79.4	80.4	82.6	82.8	87.4	89.8		
GE 900	22.3	63.0	64.9	64.9	69.2	69.2	72.7	72.9	72.9	78.0	79.4	80.4	82.6	82.8	87.4	89.8		
GE 800	22.3	63.0	64.9	64.9	69.7	69.7	73.5	74.0	74.0	79.4	80.7	81.8	84.2	84.5	89.0	91.4		
GE 700	22.3	63.5	65.7	65.7	70.8	70.8	74.8	75.3	75.3	81.5	82.8	83.9	86.3	86.6	91.2	93.6		
GE 600	22.3	63.5	65.7	65.7	70.8	70.8	74.8	75.3	75.3	81.5	82.8	83.9	86.3	86.6	91.2	93.6		
GE 500	22.3	63.5	65.7	65.7	70.8	70.8	74.8	75.3	75.3	81.5	82.8	83.9	86.3	86.6	91.2	93.6		
GE 400	22.5	64.1	66.2	66.2	71.3	71.3	75.3	75.9	76.1	83.4	84.7	85.8	88.5	88.7	93.3	95.7		
GE 300	22.5	64.1	66.2	66.2	71.3	71.3	75.3	75.9	76.1	83.4	84.7	86.1	88.7	89.3	93.8	96.5		
GE 200	22.5	64.1	66.2	66.2	71.3	71.3	75.3	75.9	76.1	83.4	84.7	86.3	90.6	91.2	95.7	98.7		
GE 100	22.5	64.1	66.2	66.2	71.3	71.3	75.3	75.9	76.1	83.4	84.7	86.3	90.6	91.2	96.2	99.2		
GE 000	22.5	64.1	66.2	66.2	71.3	71.3	75.3	75.9	76.1	83.4	84.7	86.3	90.6	91.2	96.2	100.0		

TOTAL NUMBER OF OBSERVATIONS 373

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	14.4	47.7	47.7	47.7	49.5	49.5	51.5	51.5	51.5	54.4	54.6	54.9	57.2	57.7	60.5	61.5	
GE 20000	14.6	48.5	48.5	48.5	50.3	50.3	52.3	52.3	52.3	55.1	55.4	55.6	57.9	58.5	61.3	62.3	
GE 18000	14.6	48.5	48.5	48.5	50.3	50.3	52.3	52.3	52.3	55.1	55.4	55.6	57.9	58.5	61.3	62.3	
GE 16000	14.6	48.5	48.5	48.5	50.3	50.3	52.3	52.3	52.3	55.1	55.4	55.6	57.9	58.5	61.3	62.3	
GE 14000	14.6	48.5	48.5	48.5	50.3	50.3	52.3	52.3	52.3	55.1	55.4	55.6	57.9	58.5	61.3	62.3	
GE 12000	14.6	48.5	48.5	48.5	50.3	50.3	52.3	52.3	52.3	55.1	55.4	55.6	57.9	58.5	61.3	62.3	
GE 10000	14.9	49.7	50.0	50.0	51.8	51.8	53.8	53.8	53.8	56.7	56.9	57.2	59.5	60.0	62.8	63.8	
GE 9000	14.9	50.0	50.3	50.3	52.1	52.1	54.1	54.1	54.1	56.9	57.2	57.4	59.7	60.3	63.1	64.1	
GE 8000	14.9	50.0	50.3	50.3	52.1	52.1	54.1	54.1	54.1	56.9	57.2	57.4	59.7	60.3	63.1	64.1	
GE 7000	16.2	52.3	53.1	53.1	54.9	54.9	56.9	56.9	56.9	60.0	60.3	60.5	62.8	63.3	66.2	67.2	
GE 6000	16.2	52.3	53.1	53.1	54.9	54.9	56.9	56.9	56.9	60.0	60.3	60.5	62.8	63.3	66.2	67.2	
GE 5000	16.7	54.4	54.6	54.6	56.4	56.4	58.5	58.5	58.5	61.5	61.8	62.1	64.4	64.9	67.7	68.7	
GE 4500	16.7	54.4	54.6	54.6	56.4	56.4	58.5	58.5	58.5	61.5	61.8	62.1	64.4	64.9	67.7	68.7	
GE 4000	16.7	54.4	56.2	56.2	57.9	57.9	60.0	60.0	60.0	63.1	63.3	63.6	65.9	66.4	69.2	70.3	
GE 3500	16.7	55.1	56.2	56.2	57.9	57.9	60.0	60.0	60.0	63.1	63.3	63.6	65.9	66.4	69.2	70.3	
GE 3000	16.7	56.2	56.9	56.9	59.0	59.0	61.0	61.0	61.0	64.1	64.4	64.6	66.9	67.4	70.3	71.3	
GE 2500	17.7	51.9	58.7	58.7	61.0	61.0	63.1	63.1	63.1	66.2	66.4	66.7	69.0	69.5	72.3	73.3	
GE 2000	18.5	54.7	60.5	60.5	63.3	63.3	65.4	65.4	65.4	68.5	68.7	69.0	71.3	71.8	74.6	75.6	
GE 1800	18.5	59.7	60.5	60.5	63.3	63.3	65.4	65.4	65.4	68.5	68.7	69.0	71.3	71.8	74.6	75.6	
GE 1500	18.5	60.5	61.3	61.3	64.1	64.1	66.2	66.2	66.2	69.7	70.0	70.3	72.6	73.1	75.9	76.9	
GE 1200	21.5	61.7	67.7	67.7	70.8	70.8	73.1	73.1	73.1	76.7	76.9	77.2	79.7	80.5	83.6	84.6	
GE 1000	22.1	68.7	70.3	70.3	74.1	74.1	76.9	76.9	76.9	80.8	81.0	81.3	84.4	85.1	88.2	89.2	
GE 900	22.1	68.0	70.5	70.5	74.4	74.4	77.2	77.2	77.2	81.0	81.3	81.5	84.6	85.4	88.5	89.5	
GE 800	22.1	68.0	70.5	70.5	74.9	74.9	77.9	78.5	78.5	82.6	82.8	83.1	86.2	86.9	90.0	91.0	
GE 700	22.3	69.2	71.3	71.3	75.6	75.6	78.7	79.2	79.2	83.8	84.1	84.4	87.4	88.2	91.3	92.3	
GE 600	22.3	69.2	71.3	71.3	75.6	75.6	79.0	79.5	79.5	84.1	84.4	84.6	87.7	88.5	91.5	92.6	
GE 500	22.3	69.2	71.3	71.3	75.6	75.6	79.2	79.7	79.7	84.4	84.6	84.9	87.9	88.7	92.1	93.1	
GE 400	22.3	69.5	71.5	71.5	75.9	75.9	79.5	80.0	80.0	85.1	85.4	85.6	89.5	90.3	93.6	94.6	
GE 300	22.3	69.5	71.5	71.5	75.9	75.9	79.5	80.0	80.0	85.4	85.6	85.9	89.7	90.5	93.8	95.9	
GE 200	22.3	69.5	71.5	71.5	75.9	75.9	79.5	80.0	80.0	85.4	85.6	85.9	90.8	92.1	95.6	97.9	
GE 100	22.3	69.7	71.8	71.8	76.2	76.2	79.7	80.3	80.3	85.6	85.9	86.2	91.0	92.3	96.7	99.7	
GE 000	22.3	69.7	71.8	71.8	76.2	76.2	79.7	80.3	80.3	85.6	85.9	86.2	91.0	92.3	96.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 390

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	15.2	46.7	48.0	48.0	50.0	50.0	51.7	51.9	51.9	54.8	55.3	55.4	56.9	57.0	59.5	60.6		
GE 20000	15.4	47.2	48.5	48.5	50.4	50.4	52.2	52.4	52.4	55.3	55.8	55.9	57.4	57.6	60.0	61.2		
GE 18000	15.4	47.2	48.5	48.5	50.5	50.5	52.3	52.5	52.5	55.4	55.9	56.0	57.5	57.6	60.0	61.2		
GE 16000	15.4	47.3	48.6	48.6	50.6	50.6	52.3	52.5	52.5	55.5	55.9	56.0	57.6	57.7	60.1	61.3		
GE 14000	15.4	47.4	48.7	48.7	50.7	50.7	52.5	52.6	52.6	55.6	56.0	56.2	57.7	57.8	60.2	61.4		
GE 12000	15.4	47.4	48.7	48.7	50.7	50.7	52.5	52.6	52.6	55.6	56.0	56.2	57.7	57.8	60.2	61.4		
GE 10000	15.6	49.4	50.8	50.8	52.8	52.8	54.5	54.7	54.7	57.8	58.3	58.4	59.9	60.0	62.5	63.6		
GE 9000	15.6	50.0	51.3	51.3	53.4	53.4	55.2	55.4	55.4	58.5	58.9	59.1	60.6	60.7	63.1	64.3		
GE 8000	15.6	50.4	51.9	51.9	54.0	54.0	55.7	55.9	55.9	59.0	59.5	59.6	61.2	61.3	63.7	64.9		
GE 7000	16.0	51.9	53.4	53.4	55.5	55.5	57.3	57.5	57.5	60.6	61.2	61.4	62.9	63.0	65.5	66.8		
GE 6000	16.0	52.6	54.2	54.2	56.3	56.3	58.1	58.3	58.3	61.5	62.1	62.3	63.8	64.0	66.6	67.8		
GE 5000	16.4	53.9	55.5	55.5	57.7	57.7	59.5	59.6	59.6	62.9	63.4	63.7	65.2	65.3	68.0	69.3		
GE 4500	16.4	53.9	55.5	55.5	57.7	57.7	59.5	59.6	59.6	62.9	63.4	63.7	65.2	65.3	68.0	69.3		
GE 4000	16.5	55.1	56.8	56.8	59.1	59.1	60.9	61.1	61.1	64.3	64.9	65.1	66.6	66.8	69.5	70.7		
GE 3500	16.5	55.1	56.8	56.8	59.1	59.1	60.9	61.1	61.1	64.3	64.9	65.1	66.6	66.8	69.5	70.7		
GE 3000	16.5	56.0	57.8	57.8	60.2	60.2	62.0	62.2	62.2	65.5	66.1	66.3	67.8	68.0	70.6	71.9		
GE 2500	17.3	58.1	60.0	60.0	62.6	62.6	64.6	64.7	64.7	68.0	68.6	68.9	70.4	70.5	73.2	74.5		
GE 2000	18.1	60.4	62.3	62.3	65.1	65.1	67.1	67.3	67.3	70.7	71.3	71.6	73.2	73.3	76.0	77.3		
GE 1800	18.1	60.4	62.3	62.3	65.1	65.1	67.1	67.3	67.3	70.7	71.3	71.6	73.2	73.3	76.0	77.3		
GE 1500	18.1	60.9	62.9	62.9	65.7	65.7	67.7	67.9	67.9	71.4	72.0	72.3	74.0	74.2	76.8	78.2		
GE 1200	20.5	65.7	68.0	68.0	71.5	71.5	73.8	74.0	74.0	77.9	78.5	78.9	81.0	81.3	84.0	85.4		
GE 1000	21.3	68.9	71.7	71.7	75.9	75.9	78.7	78.9	78.9	83.1	83.7	84.2	86.7	87.1	90.1	91.5		
GE 900	21.3	69.0	71.7	71.7	76.0	76.0	78.7	78.9	78.9	83.2	83.8	84.2	86.8	87.1	90.1	91.6		
GE 800	21.3	69.0	71.7	71.7	76.4	76.4	79.3	79.7	79.7	84.1	84.7	85.2	87.8	88.1	91.1	92.5		
GE 700	21.5	69.4	72.3	72.3	77.0	77.0	80.1	80.4	80.4	85.2	85.8	86.3	88.9	89.2	92.2	93.7		
GE 600	21.5	69.4	72.3	72.3	77.0	77.0	80.1	80.5	80.5	85.3	85.9	86.4	89.0	89.3	92.3	93.8		
GE 500	21.5	69.4	72.3	72.3	77.1	77.1	80.2	80.6	80.6	85.5	86.1	86.5	89.3	89.6	92.7	94.1		
GE 400	21.5	69.6	72.5	72.5	77.3	77.3	80.4	80.8	80.9	86.3	86.9	87.4	90.5	90.8	93.9	95.3		
GE 300	21.5	69.6	72.5	72.5	77.3	77.3	80.4	80.8	80.9	86.4	87.0	87.5	90.7	91.2	94.4	96.3		
GE 200	21.5	69.6	72.5	72.5	77.3	77.3	80.4	80.8	80.9	86.4	87.0	87.6	91.8	92.5	95.8	98.0		
GE 100	21.5	69.7	72.6	72.6	77.4	77.4	80.5	80.9	81.0	86.5	87.1	87.6	91.8	92.5	96.9	99.5		
GE 000	21.5	69.7	72.6	72.6	77.4	77.4	80.5	80.9	81.0	86.5	87.1	87.7	91.9	92.6	96.9	100.0		

TOTAL NUMBER OF OBSERVATIONS 1529

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.9	38.3	39.1	39.1	40.4	40.4	41.4	41.5	41.5	42.7	42.9	43.0	44.1	44.3	45.4	46.5
GE 20000	16.1	39.1	39.9	39.9	41.3	41.3	42.3	42.4	42.4	43.6	43.8	43.9	45.0	45.2	46.3	47.4
GE 18000	16.1	39.2	40.0	40.0	41.4	41.4	42.4	42.6	42.6	43.8	44.0	44.0	45.2	45.3	46.5	47.6
GE 16000	16.1	39.3	40.1	40.1	41.5	41.5	42.5	42.6	42.6	43.8	44.0	44.1	45.2	45.4	46.5	47.6
GE 14000	16.2	39.5	40.3	40.3	41.7	41.7	42.7	42.8	42.8	44.1	44.3	44.3	45.5	45.6	46.8	47.9
GE 12000	16.2	39.6	40.4	40.4	41.8	41.8	42.8	42.9	43.0	44.2	44.4	44.4	45.6	45.7	46.9	48.0
GE 10000	16.8	41.1	42.0	42.0	43.4	43.4	44.4	44.6	44.6	45.8	46.0	46.0	47.2	47.4	48.5	49.6
GE 9000	16.8	41.3	42.2	42.2	43.6	43.6	44.5	44.7	44.7	46.0	46.1	46.2	47.4	47.5	48.7	49.8
GE 8000	16.9	41.8	42.6	42.6	44.0	44.1	45.0	45.2	45.2	46.4	46.6	46.7	47.9	48.0	49.2	50.3
GE 7000	17.4	43.1	44.0	44.0	45.4	45.5	46.5	46.6	46.6	47.9	48.1	48.2	49.4	49.5	50.7	51.8
GE 6000	17.4	43.5	44.5	44.5	46.0	46.0	47.0	47.1	47.2	48.4	48.7	48.7	49.9	50.1	51.3	52.4
GE 5000	18.0	45.4	46.4	46.4	47.9	47.9	48.9	49.1	49.1	50.5	50.7	50.7	52.0	52.1	53.3	54.5
GE 4500	18.0	45.4	46.4	46.4	47.9	47.9	49.0	49.1	49.1	50.5	50.7	50.8	52.0	52.1	53.3	54.5
GE 4000	18.5	46.7	47.7	47.7	49.3	49.3	50.3	50.5	50.5	51.9	52.1	52.2	53.4	53.5	54.7	55.9
GE 3500	18.5	46.8	47.8	47.8	49.4	49.4	50.5	50.6	50.6	52.0	52.2	52.3	53.5	53.7	54.9	56.0
GE 3000	18.8	48.2	49.2	49.2	50.8	50.8	51.9	52.1	52.1	53.4	53.7	53.7	55.0	55.1	56.3	57.5
GE 2500	20.3	51.8	52.9	52.9	54.6	54.7	55.8	55.9	56.0	57.4	57.6	57.7	58.9	59.1	60.3	61.5
GE 2000	20.8	56.3	57.5	57.5	59.4	59.5	60.6	60.8	60.8	62.3	62.5	62.6	63.9	64.1	65.3	66.5
GE 1800	20.8	56.4	57.6	57.6	59.5	59.5	60.7	60.9	60.9	62.3	62.6	62.7	64.0	64.2	65.4	66.6
GE 1500	21.5	58.9	60.3	60.3	62.3	62.4	63.6	63.8	63.8	65.3	65.6	65.6	67.0	67.2	68.4	69.6
GE 1200	25.4	67.8	69.8	69.8	72.5	72.6	74.2	74.4	74.5	76.3	76.6	76.7	78.3	78.5	79.8	81.2
GE 1000	27.4	74.4	77.0	77.0	80.6	80.6	82.6	82.9	82.9	85.3	85.7	85.8	87.5	87.7	89.3	90.7
GE 900	27.5	74.5	77.1	77.1	80.7	80.8	82.8	83.1	83.1	85.5	85.8	85.9	87.7	87.9	89.5	90.9
GE 800	27.7	75.0	77.8	77.8	81.6	81.7	83.8	84.1	84.2	86.6	87.0	87.1	88.9	89.1	90.8	92.2
GE 700	28.1	76.2	79.1	79.1	83.1	83.2	85.5	85.9	85.9	88.5	88.9	89.0	90.8	91.0	92.7	94.2
GE 600	28.1	76.3	79.3	79.3	83.4	83.5	85.8	86.1	86.2	88.8	89.2	89.3	91.1	91.3	93.0	94.5
GE 500	28.2	76.5	79.6	79.6	83.7	83.8	86.2	86.6	86.6	89.3	89.7	89.8	91.7	91.9	93.7	95.2
GE 400	28.4	77.1	80.2	80.2	84.5	84.6	87.1	87.5	87.6	90.5	91.0	91.1	93.1	93.3	95.1	96.7
GE 300	28.4	77.2	80.2	80.2	84.6	84.7	87.2	87.6	87.7	90.7	91.1	91.2	93.3	93.6	95.4	97.1
GE 200	28.5	77.2	80.3	80.3	84.7	84.8	87.3	87.7	87.8	90.8	91.2	91.4	93.9	94.2	96.2	98.1
GE 100	28.5	77.3	80.4	80.4	84.7	84.8	87.3	87.8	87.8	90.8	91.3	91.4	94.0	94.3	96.9	99.7
GE 000	28.5	77.3	80.4	80.4	84.7	84.8	87.4	87.8	87.8	90.9	91.3	91.4	94.0	94.3	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 19056

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210		STATION NAME: POINT LAY AK		PERIOD OF RECORD: JAN 73 - SEP 88						
		LST TO UTC: + 9		MONTH: JAN HOURS: ALL						
		SYNOP CLASSES								TOTAL OBS
HOURS (LST)	CLEAR	1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8	
00-02										0
03-05	48.9	.2	2.2	1.7	1.0	.5	3.2	1.0	33.7	403
06-08										0
09-11	46.5		3.1	1.5	1.3	1.3	4.1	1.5	30.8	389
12-14										0
15-17	33.5	2.4	6.4	5.1	2.1	2.9	8.0	5.1	25.0	376
18-20										0
21-23	50.6	.2	3.0	2.0	.5	2.0	6.5	1.7	28.2	401
ALL HOURS	45.1	.7	3.6	2.5	1.2	1.7	5.4	2.3	29.5	1569
MONTH: FEB HOURS: ALL										
00-02										0
03-05	55.8	.3	2.4	1.5		.6	5.0	1.2	26.8	339
06-08										0
09-11	50.2	1.3	4.4	3.1	.6	1.3	5.3	2.5	27.0	319
12-14										0
15-17	46.5	.9	5.8	2.8	2.1	1.8	7.3	4.6	22.6	327
18-20										0
21-23	53.9	.9	6.1	1.7	.9	2.3	4.6	1.4	24.2	347
ALL HOURS	51.7	.8	4.7	2.3	.9	1.5	5.6	2.4	25.2	1332

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR HOURS: ALL

HOURS (LST)	CLEAR	SYNOP CLASSES								TOTAL OBS
		1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8	
00-02										0
03-05	68.0	1.2	3.1	1.7	1.4	.5	2.9	.7	16.6	416
06-08										0
09-11	54.3	1.0	5.9	1.8	1.3	1.8	6.6	2.3	18.6	392
12-14										0
15-17	58.5	1.0	7.0	2.0	.3	1.0	6.3	2.3	16.8	398
18-20										0
21-23	55.7	2.6	7.3	2.6	.9	1.9	3.7	1.9	18.7	427
ALL HOURS	59.2	1.5	5.8	2.0	1.0	1.3	4.8	1.8	17.7	1633

MONTH: APR HOURS: ALL

00-02										0
03-05	62.0	2.1	3.3	2.1	.9	.7	1.9	2.3	22.4	429
06-08										0
09-11	54.0	2.1	3.9	3.1	1.8	1.6	8.1	1.3	21.7	383
12-14										0
15-17	56.5	.5	4.0	2.0	1.2	1.7	8.4	4.4	18.8	405
18-20										0
21-23	56.8	1.2	5.8	2.6	2.6	1.7	6.5	3.1	18.2	417
ALL HOURS	57.5	1.5	4.2	2.4	1.7	1.4	6.1	2.8	20.3	1634

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OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY HOURS: ALL

HOURS (LST)	SYNOP CLASSES								TOTAL OBS
	CLEAR	1/8	2/8	3/8	4/8	5/8	6/8	7/8	
00-02									0
03-05	29.6	2.5	7.4	3.5	1.2	.5	4.4	2.3	45.5
06-08									0
09-11	25.7	1.2	5.1	3.2	.7	1.0	9.8	4.9	45.7
12-14									0
15-17	26.7	1.7	7.2	3.3	2.1	2.4	9.8	6.4	38.7
18-20									0
21-23	25.9	2.6	6.5	5.4	.9	1.9	10.7	5.8	37.1
ALL HOURS	27.0	2.0	6.6	3.8	1.2	1.4	8.6	4.9	41.7
									1689

MONTH: JUN HOURS: ALL

00-02									0
03-05	17.6	2.5	9.1	4.1	2.1	2.3	10.5	6.8	40.0
06-08									0
09-11	15.5	3.2	5.9	3.4	1.5	2.7	12.8	6.1	44.7
12-14									0
15-17	16.1	2.7	9.9	4.2	3.7	3.7	11.4	7.2	40.2
18-20									0
21-23	17.9	4.4	12.3	6.3	2.8	1.9	12.8	6.3	33.0
ALL HOURS	16.8	3.2	9.4	4.5	2.5	2.6	11.9	6.6	39.4
									1678

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL HOURS: ALL

HOURS (LST)	CLEAR	SYNOP CLASSES								TOTAL OBS
		1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8	
00-02										0
03-05	20.8	2.3	8.0	3.5	2.1	3.0	10.3	6.8	39.6	427
06-08										0
09-11	16.1	1.5	7.4	3.5	1.0	3.0	11.9	8.4	41.9	403
12-14										0
15-17	19.1	2.8	9.4	4.8	3.3	2.5	10.4	5.3	40.2	393
18-20										0
21-23	19.9	3.3	9.8	5.4	1.4	3.5	11.7	6.5	34.3	428
ALL HOURS	19.0	2.5	8.7	4.3	1.9	3.0	11.1	6.8	38.9	1651

MONTH: AUG HOURS: ALL

00-02										0
03-05	13.0	1.6	8.5	2.5	.4	3.6	14.6	3.6	48.3	445
06-08										0
09-11	9.7	1.0	5.1	3.3	.5	3.1	15.1	7.7	48.7	390
12-14										0
15-17	10.4	2.9	7.0	2.9	1.9	3.1	13.7	10.6	45.5	415
18-20										0
21-23	10.0	2.1	8.9	3.5	1.2	3.5	15.2	7.2	46.5	428
ALL HOURS	10.8	1.9	7.4	3.0	1.0	3.3	14.7	7.2	47.3	1678

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP HOURS: ALL

HOURS (LST)	CLEAR	SYNOP CLASSES								TOTAL OBS
		1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8	
00-02										0
03-05	18.0	.7	5.5	2.4	.5	1.9	7.2	2.4	58.4	416
06-08										0
09-11	7.7	1.0	6.3	3.6	1.0	2.9	15.0	8.0	50.4	413
12-14										0
15-17	6.9	1.7	6.9	2.5	2.7	3.7	16.0	10.3	47.7	407
18-20										0
21-23	9.0	1.9	5.4	2.6	1.7	2.8	11.6	7.1	55.2	424
ALL HOURS	10.4	1.3	6.0	2.8	1.4	2.8	12.4	6.9	53.0	1660

MONTH: OCT HOURS: ALL

00-02										0
03-05	30.9		4.7	1.5	1.5	.7	5.5	3.5	50.1	401
06-08										0
09-11	18.7	1.3	7.4	2.8	1.5	2.1	7.2	5.9	51.0	390
12-14										0
15-17	17.3	.5	5.9	2.6	2.0	3.6	17.6	6.6	41.6	392
18-20										0
21-23	24.4	1.0	5.9	2.5	1.5	1.0	5.9	3.0	53.0	406
ALL HOURS	22.9	.7	6.0	2.3	1.6	1.8	9.0	4.7	49.0	1589

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV HOURS: ALL

HOURS (LST)	CLEAR	SYNOP CLASSES								TOTAL OBS
		1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8	
00-02										0
03-05	50.0		2.7	1.0	.2	1.2	3.7	1.0	36.6	404
06-08										0
09-11	48.7	1.3	3.7	.3	.3	1.6	3.7	3.2	35.0	374
12-14										0
15-17	29.5	2.9	8.4	5.0	2.1	3.4	6.6	5.8	30.0	380
18-20										0
21-23	45.6	.3	4.3	1.3	.5	.8	2.3	2.3	38.3	397
ALL HOURS	43.5	1.1	4.8	1.9	.8	1.7	4.1	3.0	35.0	1555

MONTH: DEC HOURS: ALL

00-02										0
03-05	56.4	.3	2.3	1.0	1.5	1.3	4.3	1.8	24.9	397
06-08										0
09-11	59.0	.5	2.2	2.2	.8	1.6	3.5	1.9	23.2	371
12-14										0
15-17	55.7	3.7	9.6	2.9	1.1	4.5	8.0	4.3	22.3	376
18-20										0
21-23	51.4	.5	5.1	3.1	1.0	1.0	4.3	2.3	22.9	393
ALL HOURS	50.7	1.2	4.7	2.1	1.1	2.1	5.0	2.5	23.4	1537

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: ALL HOURS: ALL

HOURS (LST)	CLEAR	SYNOP CLASSES								TOTAL OBS
		1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8	
00-02										0
03-05	38.6	1.2	5.1	2.2	1.1	1.4	6.2	2.8	37.2	4948
06-08										0
09-11	33.1	1.3	5.1	2.7	1.0	2.0	8.8	4.6	36.9	4640
12-14										0
15-17	29.4	2.0	7.3	3.3	2.1	2.9	10.4	6.1	32.8	4691
18-20										0
21-23	34.5	1.8	6.8	3.3	1.3	2.0	8.1	4.1	34.3	4926
ALL HOURS	34.0	1.6	6.0	2.9	1.4	2.1	8.3	4.4	35.3	19205

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	EEEEEEEEE
PPPPPPPPP	AAAAAAA	RRKRRRRR	TTTTTTTTT	EEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAA	RRRRRRR	TT	EEEEEE
PP	AAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSF 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF). CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	-7.2	16.349	403	283	402	0	0	0	403
06-08	.0	.000	0	0	0	0	0	0	0
09-11	-6.7	17.345	390	269	87	0	0	0	390
12-14	.0	.000	0	0	0	0	0	0	0
15-17	-6.5	16.290	378	257	374	0	0	0	378
18-20	.0	.000	0	0	0	0	0	0	0
21-23	-7.6	15.982	401	280	400	0	0	0	401
ALL HOURS	-7.0	16.458	1572	1089	1563	0	0	0	1572

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0
03-05	-12.9	16.161	339	268	337	0	0	0	339
06-08	.0	.000	0	0	0	0	0	0	0
09-11	-12.6	16.181	320	258	318	0	0	0	320
12-14	.0	.000	0	0	0	0	0	0	0
15-17	-12.0	16.287	328	262	327	0	0	0	328
18-20	.0	.000	0	0	0	0	0	0	0
21-23	-13.0	15.826	347	284	346	0	0	0	347
ALL HOURS	-12.6	16.106	1334	1072	1328	0	0	0	1334

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	-16.1	12.999	419	373	419	0	0	0	0	419
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	-16.8	13.173	392	350	392	0	0	0	0	392
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	-10.4	12.709	399	325	399	0	0	0	0	399
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	-13.9	12.231	428	383	427	0	0	0	0	428
ALL HOURS	-14.3	12.981	1638	1431	1637	0	0	0	0	1638

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	-6.4	14.831	430	311	425	0	0	0	0	430
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	-7.5	14.839	385	281	383	0	0	0	0	385
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	3.4	14.700	405	187	388	0	0	0	0	405
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	.5	14.344	417	233	403	0	0	0	0	417
ALL HOURS	-2.5	15.387	1637	1012	1599	0	0	0	0	1637

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY

HOURS LST	MEAN STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
			LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0
03-05	19.1	10.156	434	15	398	0	0	0
06-08	.0	.000	0	0	0	0	0	0
09-11	20.2	10.018	409	12	369	0	0	0
12-14	.0	.000	0	0	0	0	0	0
15-17	26.3	9.250	421	2	313	0	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	25.4	9.233	432	2	341	0	0	0
ALL HOURS	22.8	10.121	1696	31	1421	0	0	0

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	0
03-05	36.4	5.737	441	0	121	0	0	0
06-08	.0	.000	0	0	0	0	0	0
09-11	38.5	6.911	409	0	64	0	0	0
12-14	.0	.000	0	0	0	0	0	0
15-17	42.7	7.897	405	0	23	3	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	42.0	8.236	433	0	27	8	0	0
ALL HOURS	39.8	7.711	1688	0	235	11	0	0

OPFRATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	43.9	6.464	429	0	14	1	0	0	429
06-08	.0	.000	0	0	0	0	0	0	0
09-11	45.8	6.802	404	0	4	0	0	0	404
12-14	.0	.000	0	0	0	0	0	0	0
15-17	50.8	9.381	398	0	0	31	1	0	398
18-20	.0	.000	0	0	0	0	0	0	0
21-23	50.0	9.121	429	0	0	25	0	0	429
ALL HOURS	47.6	8.491	1660	0	18	57	1	0	1660

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	42.4	6.686	445	0	26	1	0	0	445
06-08	.0	.000	0	0	0	0	0	0	0
09-11	42.9	7.035	393	0	21	0	0	0	393
12-14	.0	.000	0	0	0	0	0	0	0
15-17	48.1	8.144	416	0	5	13	1	0	416
18-20	.0	.000	0	0	0	0	0	0	0
21-23	46.7	7.730	431	0	6	6	0	0	431
ALL HOURS	45.0	7.815	1685	0	58	20	1	0	1685

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	33.5	7.734	417	1	192	1	0	0	417
06-08	.0	.000	0	0	0	0	0	0	0
09-11	32.5	7.496	416	0	222	0	0	0	416
12-14	.0	.000	0	0	0	0	0	0	0
15-17	37.3	8.424	410	0	116	0	0	0	410
18-20	.0	.000	0	0	0	0	0	0	0
21-23	35.4	8.421	427	1	142	0	0	0	427
ALL HOURS	34.7	8.209	1670	2	672	1	0	0	1670

MONTH: OCT									
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	14.1	12.416	404	69	391	0	0	0	404
06-08	.0	.000	0	0	0	0	0	0	0
09-11	14.1	12.308	392	59	382	0	0	0	392
12-14	.0	.000	0	0	0	0	0	0	0
15-17	16.3	12.401	393	51	372	0	0	0	393
18-20	.0	.000	0	0	0	0	0	0	0
21-23	14.5	12.305	407	62	395	0	0	0	407
ALL HOURS	14.8	12.397	1596	241	1540	0	0	0	1596

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV

HOURS LST	MEAN STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
			LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0
03-05	-.3	15.138	404	221	398	0	0	0
06-08	.0	.000	0	0	0	0	0	0
09-11	-.9	15.260	374	205	369	0	0	0
12-14	.0	.000	0	0	0	0	0	0
15-17	.2	15.285	381	191	376	0	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	-1.6	15.114	399	228	394	0	0	0
ALL HOURS	-.7	15.184	1558	845	1537	0	0	1558

MONTH: DEC								
HOURS LST	MEAN STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
			LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0
03-05	-9.5	16.036	398	296	395	1	1	1
06-08	.0	.000	0	0	0	0	0	0
09-11	-9.7	16.274	372	276	369	1	0	0
12-14	.0	.000	0	0	0	0	0	0
15-17	-9.1	15.698	377	278	375	0	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	-8.9	15.677	393	290	392	0	0	0
ALL HOURS	-9.3	15.918	1540	1140	1531	2	1	1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: ALL

HOURS LST	MEAN STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
			LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0
03-05	12.3	25.180	4963	1837	3518	4	1	1 4963
06-08	.0	.000	0	0	0	0	0	0
09-11	12.5	25.753	4656	1710	3280	1	0	0 4656
12-14	.0	.000	0	0	0	0	0	0
15-17	16.5	26.417	4711	1553	3068	47	2	0 4711
18-20	.0	.000	0	0	0	0	0	0
21-23	15.0	26.613	4944	1763	3273	39	0	0 4944
ALL HOURS	14.1	26.052	19274	6863	13139	91	3	1 19274

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	-7.3	16.172	403	402	0	0	0	0	0	403
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	-6.9	16.991	390	387	1	0	0	0	0	390
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	-6.7	16.045	378	374	1	0	0	0	0	378
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	-7.8	15.769	401	400	0	0	0	0	0	401
ALL HOURS	-7.2	16.224	1572	1563	2	0	0	0	0	1572

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	-13.0	15.883	339	338	0	0	0	0	0	339
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	-12.8	15.735	320	318	0	0	0	0	0	320
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	-12.1	16.061	328	327	0	0	0	0	0	328
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	-13.2	15.627	347	346	0	0	0	0	0	347
ALL HOURS	-12.8	15.807	1334	1329	0	0	0	0	0	1334

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	-16.2	12.730	419	419	0	0	0	0	0	419
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	-16.9	12.991	392	392	0	0	0	0	0	392
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	-10.6	12.484	399	399	0	0	0	0	0	399
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	-14.0	12.048	428	428	0	0	0	0	0	428
ALL HOURS	-14.4	12.758	1638	1638	0	0	0	0	0	1638

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	-6.6	14.559	430	427	0	0	0	0	0	430
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	-7.7	14.595	385	383	0	0	0	0	0	385
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	2.9	14.087	405	393	1	0	0	0	0	405
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	.1	13.856	417	408	0	0	0	0	0	417
ALL HOURS	-2.8	14.934	1637	1611	1	0	0	0	0	1637

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	18.2	9.869	434	404	0	0	0	0	0	434
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	19.3	9.718	409	375	0	0	0	0	0	409
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	25.0	8.778	421	328	0	0	0	0	0	421
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	24.1	8.868	432	354	1	0	0	0	0	432
ALL HOURS	21.7	9.778	1696	1461	1	0	0	0	0	1696

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	35.2	5.500	441	144	7	0	0	0	0	441
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	37.1	6.232	409	83	11	0	0	0	0	409
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	40.4	6.753	405	30	43	0	0	0	0	405
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	39.8	6.947	433	38	43	0	0	0	0	433
ALL HOURS	38.1	6.689	1688	295	104	0	0	0	0	1688

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	42.4	5.881	429	18	53	0	0	0	0	429
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	44.0	6.076	404	7	79	0	0	0	0	404
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	47.8	7.688	398	1	159	6	1	0	0	398
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	47.2	7.454	429	2	159	4	0	0	0	429
ALL HOURS	45.3	7.153	1660	28	450	10	1	0	1660	

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	41.2	6.443	445	33	45	0	0	0	0	445
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	41.8	6.753	393	24	47	0	0	0	0	393
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	45.7	7.208	416	6	130	1	0	0	0	416
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	44.7	6.990	431	7	113	1	0	0	0	431
ALL HOURS	43.3	7.068	1685	70	335	2	0	0	1685	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	32.5	7.304	417	202	4	1	1	0	0	417
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	31.6	7.296	416	226	2	0	0	0	0	416
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	35.8	7.680	410	129	19	0	0	0	0	410
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	34.3	8.051	427	160	10	0	0	0	0	427
ALL HOURS	33.5	7.758	1670	717	35	1	1	0	1670	

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	13.6	12.185	404	394	0	0	0	0	0	404
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	13.6	12.120	392	382	0	0	0	0	0	392
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	15.7	12.108	393	374	0	0	0	0	0	393
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	14.0	12.094	407	397	0	0	0	0	0	407
ALL HOURS	14.2	12.152	1596	1547	0	0	0	0	0	1596

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	-.7	14.818	404	399	0	0	0	0	0	404
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	-1.2	14.950	374	369	0	0	0	0	0	374
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	-.1	14.933	381	378	0	0	0	0	0	381
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	-2.0	14.732	399	396	0	0	0	0	0	399
ALL HOURS	-1.0	14.866	1558	1542	0	0	0	0	0	1558

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	-9.7	15.332	398	396	1	0	0	0	0	398
06-08	.0	.000	0	0	0	0	0	0	0	0
09-11	-9.9	16.035	372	370	1	1	1	0	0	372
12-14	.0	.000	0	0	0	0	0	0	0	0
15-17	-9.3	15.426	377	376	0	0	0	0	0	377
18-20	.0	.000	0	0	0	0	0	0	0	0
21-23	-9.1	15.486	393	393	0	0	0	0	0	393
ALL HOURS	-9.5	15.543	1540	1535	2	1	1	0	0	1540

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK LST TO UTC: + 9			PERIOD OF RECORD: JAN 73 - SEP 88 MONTH: ALL						
HOURS LST	MEAN DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
			LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	
03-05	11.7	24.630	4963	3576	110	1	1	0	4963
06-08	.0	.000	0	0	0	0	0	0	0
09-11	11.9	25.169	4656	3316	141	1	1	0	4656
12-14	.0	.000	0	0	0	0	0	0	0
15-17	15.4	25.346	4711	3115	353	7	1	0	4711
18-20	.0	.000	0	0	0	0	0	0	0
21-23	14.0	25.662	4944	3329	326	5	0	0	4944
ALL HOURS	13.2	25.249	19274	13336	930	14	3	0	19274

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN

HOURS LST	MEAN DEVIATION	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	-12.5	18.252	403	396	0	403	0	403
06-08	.0	.000	0	0	0	0	0	0
09-11	-12.1	18.457	390	381	1	390	0	390
12-14	.0	.000	0	0	0	0	0	0
15-17	-12.0	17.448	378	371	1	378	0	378
18-20	.0	.000	0	0	0	0	0	0
21-23	-12.9	17.234	401	398	0	401	0	401
ALL HOURS	-12.4	17.861	1572	1546	2	1572	0	1572

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0
03-05	-18.8	16.756	339	335	0	339	0	0
06-08	.0	.000	0	0	0	0	0	0
09-11	-18.6	16.432	320	318	0	320	0	0
12-14	.0	.000	0	0	0	0	0	0
15-17	-17.6	17.249	328	327	0	328	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	-19.0	17.080	347	344	0	347	0	0
ALL HOURS	-18.5	16.889	1334	1324	0	1334	0	1334

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	
03-05	-22.5	13.662	419	419	0	419	0	419	
06-08	.0	.000	0	0	0	0	0	0	
09-11	-23.0	14.221	392	392	0	392	0	392	
12-14	.0	.000	0	0	0	0	0	0	
15-17	-16.5	13.606	399	399	0	399	0	399	
18-20	.0	.000	0	0	0	0	0	0	
21-23	-20.1	13.182	428	426	0	428	0	428	
ALL HOURS	-20.5	13.901	1638	1636	0	1638	0	1638	

MONTH: APR								
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	-12.3	15.864	430	423	0	430	0	0
06-08	.0	.000	0	0	0	0	0	0
09-11	-13.4	16.062	385	383	0	385	0	0
12-14	.0	.000	0	0	0	0	0	0
15-17	-2.2	15.299	405	389	1	405	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	-5.3	14.942	417	406	1	417	0	0
ALL HOURS	-8.3	16.234	1637	1601	2	1637	0	1637

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88

MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	0
03-05	14.4	11.213	434	382	1	434	0	0	434
06-08	.0	.000	0	0	0	0	0	0	0
09-11	15.6	10.919	409	348	7	409	0	0	409
12-14	.0	.000	0	0	0	0	0	0	0
15-17	21.2	10.301	421	293	21	421	0	0	421
18-20	.0	.000	0	0	0	0	0	0	0
21-23	20.6	10.124	432	312	16	432	0	0	432
ALL HOURS	17.9	11.076	1696	1335	45	1696	0	0	1696

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	0	0
03-05	33.4	5.902	441	55	109	441	0	0	0
06-08	.0	.000	0	0	0	0	0	0	0
09-11	35.0	6.494	409	31	140	408	0	0	0
12-14	.0	.000	0	0	0	0	0	0	0
15-17	37.5	6.765	405	18	204	402	0	0	0
18-20	.0	.000	0	0	0	0	0	0	0
21-23	37.2	6.659	433	14	195	427	1	0	0
ALL HOURS	35.8	6.703	1688	118	648	1678	1	0	1688

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	
03-05	40.8	6.255	429	7	321	428	0	429	
06-08	.0	.000	0	0	0	0	0	0	
09-11	42.2	6.273	404	1	326	403	0	404	
12-14	.0	.000	0	0	0	0	0	0	
15-17	44.9	7.521	398	0	341	372	4	398	
18-20	.0	.000	0	0	0	0	0	0	
21-23	44.6	7.088	429	1	363	407	3	429	
ALL HOURS	43.1	7.028	1660	9	1351	1610	7	1660	

MONTH: AUG								
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	39.8	7.039	445	15	292	443	0	0
06-08	.0	.000	0	0	0	0	0	0
09-11	40.5	7.077	393	9	271	389	0	0
12-14	.0	.000	0	0	0	0	0	0
15-17	43.2	7.633	416	6	334	402	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	42.6	7.079	431	6	336	421	0	0
ALL HOURS	41.5	7.378	1685	36	1233	1655	0	1685

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 70121C STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	30.7	7.774	417	119	84	416	1	417
06-08	.0	.000	0	0	0	0	0	0
09-11	29.8	8.120	416	127	80	416	0	416
12-14	.0	.000	0	0	0	0	0	0
15-17	33.3	8.029	410	83	127	409	0	410
18-20	.0	.000	0	0	0	0	0	0
21-23	32.3	6.674	427	100	128	427	0	427
ALL HOURS	31.5	8.283	1670	429	419	1668	1	1670

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	0
03-05	9.8	13.563	404	380	1	404	0	0
06-08	.0	.000	0	0	0	0	0	0
09-11	10.2	13.337	392	365	1	392	0	0
12-14	.0	.000	0	0	0	0	0	0
15-17	12.3	13.604	393	358	2	393	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	10.5	13.368	407	382	0	407	0	0
ALL HOURS	10.7	13.504	1596	1485	4	1596	0	1596

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	
03-05	-5.9	16.416	404	396	0	404	0	404	
06-08	.0	.000	0	0	0	0	0	0	
09-11	-6.6	16.980	374	367	0	374	0	374	
12-14	.0	.000	0	0	0	0	0	0	
15-17	-5.3	16.726	381	370	0	381	0	381	
18-20	.0	.000	0	0	0	0	0	0	
21-23	-7.3	16.162	399	391	0	399	0	399	
ALL HOURS	-6.3	16.573	1558	1524	0	1558	0	1558	

MONTH: DEC								
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	-15.6	16.530	398	395	0	398	0	398
06-08	.0	.000	0	0	0	0	0	0
09-11	-15.9	17.468	372	369	1	371	1	372
12-14	.0	.000	0	0	0	0	0	0
15-17	-14.9	17.066	377	374	0	377	0	377
18-20	.0	.000	0	0	0	0	0	0
21-23	-14.7	17.032	393	388	0	393	0	393
ALL HOURS	-15.3	17.024	1540	1526	1	1539	1	1540

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	0
03-05	7.7	26.747	4963	3322	808	4959	1	4963	
06-08	.0	.000	0	0	0	0	0	0	0
09-11	7.9	27.256	4656	3091	827	4649	1	4656	
12-14	.0	.000	0	0	0	0	0	0	0
15-17	11.3	26.972	4711	2988	1031	4667	4	4711	
18-20	.0	.000	0	0	0	0	0	0	0
21-23	10.0	27.416	4944	3168	1039	4906	4	4944	
ALL HOURS	9.2	27.136	19274	12569	3705	19181	10	19274	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%			
00-02										.0	0	
03-05	100.0	100.0	100.0	99.5	96.8	91.3	76.2	36.2	14.6	75.6	403	
06-08										.0	0	
09-11	100.0	99.5	99.5	98.5	96.4	91.0	77.9	38.5	15.4	75.6	390	
12-14										.0	0	
15-17	100.0	99.7	99.7	99.2	97.1	89.7	74.6	37.8	14.6	75.0	378	
18-20										.0	0	
21-23	100.0	100.0	100.0	99.5	97.5	89.8	74.1	37.4	12.2	75.1	401	
ALL HOURS	100.0	99.8	99.8	99.2	96.9	90.5	75.7	37.5	14.2	75.4	1572	

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%			
00-02										.0	0	
03-05	100.0	100.0	99.7	99.4	97.1	89.1	66.4	24.8	8.8	72.4	339	
06-08										.0	0	
09-11	99.7	99.7	99.7	98.4	96.9	90.0	69.1	27.2	5.9	72.4	320	
12-14										.0	0	
15-17	100.0	100.0	100.0	99.4	96.6	89.3	72.9	32.3	7.9	73.7	328	
18-20										.0	0	
21-23	100.0	99.7	99.4	98.6	95.1	88.8	69.5	25.6	7.8	72.4	347	
ALL HOURS	99.9	99.9	99.7	99.0	96.4	89.3	69.4	27.4	7.6	72.7	1334	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05	99.8	99.5	99.5	98.6	95.0	82.8	66.6	16.2	5.3	70.2	419
06-08										.0	0
09-11	100.0	100.0	99.7	99.0	94.6	85.2	66.8	18.9	5.4	70.9	392
12-14										.0	0
15-17	100.0	100.0	99.0	98.7	96.2	86.7	71.2	23.1	3.5	72.0	399
18-20										.0	0
21-23	100.0	100.0	99.8	99.1	96.5	84.6	68.7	20.3	4.0	71.2	428
ALL HOURS	99.9	99.9	99.5	98.8	95.6	84.8	68.3	19.6	4.5	71.1	1638

MONTH: APR

00-02										.0	0
03-05	100.0	99.5	98.6	97.7	96.5	87.7	75.1	30.7	7.2	73.5	430
06-08										.0	0
09-11	100.0	100.0	99.2	98.7	95.6	84.7	71.2	33.0	8.8	73.3	385
12-14										.0	0
15-17	100.0	100.0	98.8	97.8	95.8	88.6	77.3	46.9	12.8	75.9	405
18-20										.0	0
21-23	100.0	99.8	99.3	98.1	95.4	90.4	75.5	43.2	8.4	74.9	417
ALL HOURS	100.0	99.8	99.0	98.0	95.8	87.9	74.8	38.4	9.3	74.4	1637

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%			
00-02										.0	0	
03-05	100.0	100.0	99.5	99.1	97.7	94.2	87.8	59.0	23.3	80.7	434	
06-08										.0	0	
09-11	100.0	99.8	99.3	99.0	98.5	93.6	87.8	59.4	25.7	80.8	409	
12-14										.0	0	
15-17	100.0	99.5	99.0	97.6	96.0	91.2	84.1	62.0	30.6	80.3	421	
18-20										.0	0	
21-23	100.0	99.8	99.3	98.8	98.1	93.1	86.1	61.6	24.8	80.7	432	
ALL HOURS	100.0	99.8	99.3	98.6	97.6	93.0	86.4	60.5	26.1	80.6	1696	

	MONTH: JUN										
00-02										.0	0
03-05	100.0	100.0	100.0	99.5	99.5	99.5	98.9	86.4	52.8	88.9	441
06-08										.0	0
09-11	100.0	100.0	99.8	99.5	99.3	99.3	97.6	82.2	44.5	87.2	409
12-14										.0	0
15-17	100.0	100.0	99.8	99.8	97.5	95.3	88.6	67.4	31.1	82.6	405
18-20										.0	0
21-23	100.0	100.0	99.8	99.3	98.6	97.0	91.7	70.7	32.6	83.7	433
ALL HOURS	100.0	100.0	99.8	99.5	98.8	97.8	94.3	76.8	40.4	85.6	1688

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05	100.0	99.8	99.8	99.3	99.3	98.4	97.4	90.0	53.4	89.2	429
06-08										.0	0
09-11	100.0	100.0	99.8	99.8	99.8	99.3	97.8	83.4	45.8	87.8	404
12-14										.0	0
15-17	100.0	100.0	100.0	99.5	97.2	91.7	84.4	62.8	28.1	81.5	398
18-20										.0	0
21-23	100.0	100.0	100.0	99.8	98.6	93.9	84.4	66.0	29.8	82.7	429
ALL HOURS	100.0	99.9	99.9	99.6	98.7	95.8	91.0	75.7	39.4	85.3	1660

MONTH: AUG

00-02										.0	0
03-05	100.0	100.0	100.0	99.6	99.6	99.3	98.4	94.8	57.1	90.3	445
06-08										.0	0
09-11	100.0	100.0	100.0	100.0	99.7	99.7	99.2	95.7	64.4	91.3	393
12-14										.0	0
15-17	100.0	100.0	99.8	99.5	98.8	95.9	88.7	71.9	35.8	83.9	416
18-20										.0	0
21-23	100.0	100.0	100.0	100.0	99.8	98.8	94.0	79.6	37.8	85.9	431
ALL HOURS	100.0	100.0	99.9	99.8	99.5	98.5	95.1	85.5	48.6	87.8	1685

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%			
00-02										.0	0	
03-05	100.0	100.0	100.0	99.8	99.5	99.3	97.6	86.3	54.0	88.8	417	
06-08										.0	0	
09-11	100.0	100.0	100.0	99.8	99.8	99.3	97.4	86.1	57.5	89.2	416	
12-14										.0	0	
15-17	100.0	100.0	99.8	99.5	99.0	97.3	91.2	75.9	41.2	85.5	410	
18-20										.0	0	
21-23	100.0	100.0	99.8	99.8	99.8	99.3	96.7	88.3	48.5	88.4	427	
ALL HOURS	100.0	100.0	99.9	99.7	99.5	98.8	95.7	84.2	50.3	88.0	1670	

MONTH: OCT												
HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%			
00-02										.0	0	
03-05	99.8	99.8	99.8	99.5	98.8	97.5	87.6	61.6	27.7	81.7	404	
06-08										.0	0	
09-11	100.0	100.0	100.0	99.5	99.0	96.9	91.1	65.1	27.6	82.5	392	
12-14										.0	0	
15-17	100.0	99.7	99.7	98.7	98.7	96.9	90.8	66.4	31.6	82.6	393	
18-20										.0	0	
21-23	100.0	100.0	100.0	99.5	99.5	98.0	90.2	64.1	29.2	82.4	407	
ALL HOURS	99.9	99.9	99.9	99.3	99.0	97.4	89.9	64.3	29.0	82.3	1596	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9 MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05	100.0	100.0	99.3	97.5	95.3	91.8	79.0	40.6	9.7	75.4	404
06-08										.0	0
09-11	100.0	99.2	98.9	97.1	95.7	92.0	74.3	36.6	11.5	74.8	374
12-14										.0	0
15-17	100.0	99.5	99.0	97.9	96.3	91.1	74.0	40.4	13.1	75.5	381
18-20										.0	0
21-23	100.0	99.7	99.0	98.0	95.2	92.0	77.7	34.3	11.5	75.1	399
ALL HOURS	100.0	99.6	99.0	97.6	95.6	91.7	76.3	38.0	11.4	75.2	1558

MONTH: DEC

00-02										.0	0
03-05	99.7	99.5	99.2	97.5	94.7	86.9	69.8	26.6	6.5	72.4	398
06-08										.0	0
09-11	100.0	99.7	99.2	97.0	94.6	82.8	68.3	29.3	8.3	72.1	372
12-14										.0	0
15-17	100.0	99.7	98.4	97.9	94.2	87.3	74.0	31.8	9.8	73.4	377
18-20										.0	0
21-23	100.0	99.7	99.5	98.0	96.2	89.6	72.3	28.5	7.6	73.4	393
ALL HOURS	99.9	99.7	99.1	97.6	94.9	86.7	71.1	29.0	8.1	72.8	1540

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%			
00-02										.0	0	
03-05	99.9	99.8	99.6	98.9	97.5	93.3	83.9	55.5	27.4	80.2	4963	
06-08										.0	0	
09-11	100.0	99.8	99.6	98.9	97.6	93.0	83.7	55.6	27.5	80.1	4656	
12-14										.0	0	
15-17	100.0	99.9	99.4	98.8	97.0	91.8	81.3	52.2	22.1	78.6	4711	
18-20										.0	0	
21-23	100.0	99.9	99.7	99.0	97.6	93.0	82.1	52.4	21.6	79.0	4944	
ALL HOURS	100.0	99.9	99.6	98.9	97.4	92.8	82.7	53.9	24.7	79.5	19274	

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTTT	FFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAA	RRRRRRR	TT	FFFFF
PP	AAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0300	MEAN	1015.1	1018.3	1018.4	1017.5	1015.5	1013.0	1012.6	1011.8	1011.6	1012.3	1012.6	1014.1	1014.4
	SD	13.254	12.003	9.520	9.018	7.256	6.310	6.016	7.532	7.945	10.242	11.558	13.067	9.966
	TOT OBS	402	339	419	429	433	438	426	442	414	399	399	398	4938
0600	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0900	MEAN	1014.5	1018.2	1017.6	1017.0	1015.3	1013.0	1012.6	1011.8	1011.3	1012.3	1012.6	1014.5	1014.1
	SD	13.142	12.082	9.247	9.268	7.381	6.294	5.895	7.203	8.154	10.335	11.361	13.059	9.909
	TOT OBS	386	316	388	385	408	406	402	392	414	391	372	368	4628
1200	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	MEAN	1015.0	1018.8	1018.2	1017.1	1015.4	1013.1	1012.7	1011.9	1011.7	1012.4	1012.6	1014.7	1014.4
	SD	12.832	11.710	9.623	9.066	7.407	6.480	6.037	7.403	8.063	10.144	11.792	12.922	9.921
	TOT OBS	377	327	398	405	420	402	397	413	410	393	377	377	4696
1800	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	MEAN	1014.7	1018.0	1018.2	1017.0	1015.1	1012.6	1012.4	1011.6	1011.3	1012.5	1012.6	1014.4	1014.1
	SD	12.975	11.530	9.458	8.976	7.146	6.439	5.799	7.457	8.077	9.992	11.823	12.684	9.829
	TOT OBS	397	346	426	416	430	431	429	430	427	405	397	389	4923
ALL HOURS	MEAN	1014.8	1018.3	1018.1	1017.2	1015.3	1012.9	1012.6	1011.8	1011.5	1012.4	1012.6	1014.4	1014.3
	SD	13.057	11.832	9.470	9.081	7.298	6.384	5.937	7.406	8.062	10.178	11.637	12.935	9.907
	TOT OBS	1562	1328	1631	1635	1691	1677	1654	1677	1655	1588	1545	1532	19185

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0300	MEAN	29.95	30.05	30.05	30.02	29.96	29.89	29.88	29.86	29.85	29.87	29.88	29.93	29.93
	SD	.422	.360	.282	.268	.276	.188	.177	.222	.235	.301	.342	.382	.302
	TOT OBS	399	337	418	427	433	437	425	442	412	397	398	395	4920
0600	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0900	MEAN	29.93	30.05	30.03	30.02	29.96	29.89	29.88	29.86	29.84	29.87	29.88	29.94	29.93
	SD	.421	.355	.273	.270	.219	.185	.175	.213	.240	.306	.335	.386	.296
	TOT OBS	383	314	387	380	404	404	401	388	411	388	372	370	4602
1200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	MEAN	29.95	30.07	30.05	30.02	29.96	29.89	29.88	29.86	29.86	29.87	29.88	29.95	29.93
	SD	.379	.343	.284	.267	.221	.194	.178	.217	.237	.298	.353	.382	.293
	TOT OBS	376	323	397	403	417	402	397	412	407	385	375	377	4671
1800	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	MEAN	29.95	30.04	30.05	30.01	29.95	29.88	29.87	29.85	29.84	29.88	29.88	29.93	29.93
	SD	.385	.340	.280	.266	.215	.192	.175	.220	.239	.295	.349	.380	.292
	TOT OBS	393	343	425	412	427	432	429	428	424	404	397	390	4904
ALL HOURS	MEAN	29.94	30.05	30.04	30.02	29.96	29.89	29.88	29.86	29.85	29.87	29.88	29.93	29.93
	SD	.403	.350	.280	.268	.234	.190	.176	.218	.238	.300	.345	.383	.296
	TOT OBS	1551	1317	1627	1622	1681	1675	1652	1670	1654	1574	1542	1532	19097

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 701210 STATION NAME: POINT LAY AK PERIOD OF RECORD: JAN 73 - SEP 88
LST TO UTC: + 9

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0300	MEAN	29.94	30.04	30.04	30.02	29.95	29.88	29.87	29.85	29.84	29.86	29.87	29.92	29.92
	SD	.423	.359	.281	.267	.274	.187	.177	.221	.234	.300	.342	.362	.302
	TOT OBS	399	337	418	427	433	437	425	442	412	397	398	395	4920
0600	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0900	MEAN	29.92	30.04	30.02	30.01	29.95	29.88	29.87	29.85	29.84	29.86	29.87	29.93	29.92
	SD	.421	.354	.273	.269	.217	.184	.174	.213	.240	.305	.335	.386	.296
	TOT OBS	383	314	387	380	404	404	401	388	411	388	372	370	4602
1200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	MEAN	29.94	30.06	30.04	30.01	29.96	29.89	29.87	29.85	29.85	29.87	29.88	29.94	29.93
	SD	.379	.342	.285	.267	.219	.192	.177	.216	.238	.297	.353	.382	.293
	TOT OBS	376	323	397	403	417	402	397	412	407	385	375	377	4671
1800	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	MEAN	29.94	30.03	30.04	30.00	29.95	29.87	29.87	29.84	29.84	29.87	29.88	29.92	29.92
	SD	.385	.340	.279	.265	.213	.189	.173	.220	.239	.294	.349	.379	.291
	TOT OBS	393	343	425	412	427	432	429	428	424	404	397	390	4904
ALL HOURS	MEAN	29.94	30.04	30.04	30.01	29.95	29.88	29.87	29.85	29.84	29.87	29.87	29.93	29.92
	SD	.403	.349	.279	.267	.233	.188	.175	.218	.238	.299	.345	.382	.295
	TOT OBS	1551	1317	1627	1622	1681	1675	1652	1670	1654	1574	1542	1532	19097

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	GG GGGG
PP	AAAAAAAAA	RR RR	TT	GG GGGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100				
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				0	10.7	3.5	.7	403					0	10.3	3.8	.8	390
CATEGORY B				0	10.7	3.5	.7	403					0	10.3	3.8	.8	390
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300				
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				0	10.9	3.7	.3	376					0	10.7	3.2		401
CATEGORY B				0	10.9	3.7	.3	376					0	10.7	3.2		401
TIME (LST)	0600 - 2000				ALL HOURS												
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				10.6	3.8	.5		766					10.6	3.6	.4		1570
CATEGORY B				10.6	3.8	.5		766					10.6	3.6	.4		1570

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	13.1	2.4		337				0	15.4	4.1	.3	319
CATEGORY B				0	13.1	2.4		337				0	15.4	4.1	.3	319
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	15.9	4.9	.6	327				0	15.1	3.8	.6	345
CATEGORY B				0	15.9	4.9	.6	327				0	15.1	3.8	.6	345
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A		15.6	4.5	.5	646				14.8	3.8	.4	1328				
CATEGORY B		15.6	4.5	.5	646				14.8	3.8	.4	1328				

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 101011

STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAR

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CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

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TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	8.1	1.2		419				0	11.5	1.5		391
CATEGORY B				0	8.1	1.2		419				0	11.5	1.5		391
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	13.2	2.8		395				0	11.4	1.4		428
CATEGORY B				0	13.2	2.8		395				0	11.4	1.4		428
TIME (LST)	0600 - 2000				ALL HOURS											
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				12.3	2.2		786		11.0	1.7		1633				
CATEGORY B				12.3	2.2		786		11.0	1.7		1633				

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	10.7	1.6	.2	429				0	11.4	2.1	.3	385
CATEGORY B				0	10.7	1.6	.2	429				0	11.4	2.1	.3	385
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	15.8	4.0	.2	405				0	13.4	4.1		417
CATEGORY B				0	15.8	4.0	.2	405				0	13.4	4.1		417
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	13.7	3.0	.3	790				12.8	2.9	.2	1636					
CATEGORY B	13.7	3.0	.3	790				12.8	2.9	.2	1636					

OFFRATING LOCATION "A"
USAFETAC ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100				
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				0	9.7	1.2	.2	433					0	11.8	1.5	408	
CATEGORY B				0	9.7	1.2	.2	433					0	11.8	1.5	408	
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300				
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				0	14.8	2.9		420					0	14.2	2.1	.2	429
CATEGORY B				0	14.8	2.9		420					0	14.2	2.1	.2	429
TIME (LST)	0600 - 2000								ALL HOURS								
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A		13.3	2.2		828				12.6	1.9	.1	1690					
CATEGORY B		13.3	2.2		828				12.6	1.9	.1	1690					

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	6.6	2.5		441				0	7.6	2.0	.2	408
CATEGORY B				0	6.6	2.5		441				0	7.6	2.0	.2	408
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	14.9	2.5	.2	403				0	13.5	3.5	.2	431
CATEGORY B				0	14.9	2.5	.2	403				0	13.5	3.5	.2	431
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A		11.2	2.2	.2	811				10.6	2.6	.2	1683				
CATEGORY B		11.2	2.2	.2	811				10.6	2.6	.2	1683				

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	7.0	2.6		426				0	9.9	1.5		403
CATEGORY B				0	7.0	2.6		426				0	9.9	1.5		403
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	15.7	3.3	.3	396				0	11.5	2.3		426
CATEGORY B				0	15.7	3.3	.3	396				0	11.5	2.3		426
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS	GE10	GE15	GE25	OBS					GE10	GE15	GE25	OBS				
CATEGORY A		12.8	2.4	.1	799				11.0	2.4	.1	1651				
CATEGORY B		12.8	2.4	.1	799				11.0	2.4	.1	1651				

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE - FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	9.5	3.2	.2	443				0	10.0	2.3		391
CATEGORY B				0	9.5	3.2	.2	443				0	10.0	2.3		391
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	12.8	3.1	.5	413				0	11.0	2.8	.7	427
CATEGORY B				0	12.8	3.1	.5	413				0	11.0	2.8	.7	427
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	11.4	2.7	.2	804				10.8	2.9	.4	1674					
CATEGORY B	11.4	2.7	.2	804				10.8	2.9	.4	1674					

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	12.8	2.4		415				0	12.4	4.6	.2	411
CATEGORY B				0	12.8	2.4		415				0	12.4	4.6	.2	411
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	10.6	3.9	.5	406				0	11.3	1.9	.2	426
CATEGORY B				0	10.6	3.9	.5	406				0	11.3	1.9	.2	426
TIME (LST)	0600 - 2000				ALL HOURS											
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A		11.5	4.3	.4	817				11.8	3.2	.2	1658				
CATEGORY B		11.5	4.3	.4	817				11.8	3.2	.2	1658				

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100				
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				0	10.9	3.7	.8	375					0	11.6	3.0	.3	372
CATEGORY B				0	10.9	3.7	.8	375					0	11.6	3.0	.3	372
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300				
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				0	10.5	3.5	.8	371					0	11.3	2.6		382
CATEGORY B				0	10.5	3.5	.8	371					0	11.3	2.6		382
TIME (LST)	0600 - 2000								ALL HOURS								
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				11.0	3.2	.5		743					11.1	3.2	.5	1500	
CATEGORY B				11.0	3.2	.5		743					11.1	3.2	.5	1500	

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	13.6	4.0	.7	404				0	11.2	4.5	.3	374
CATEGORY B				0	13.6	4.0	.7	404				0	11.2	4.5	.3	374
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	11.1	3.4	.8	378				0	11.4	2.8	.8	396
CATEGORY B				0	11.1	3.4	.8	378				0	11.4	2.8	.8	396
TIME (LST)	0600 - 2000								ALL	HOURS						
SPEED KTS		GE10	GE15	GE25	OBS				GE10	GE15	GE25	OBS				
CATEGORY A		11.2	4.0	.5	752				11.9	3.7	.6	1552				
CATEGORY B		11.2	4.0	.5	752				11.9	3.7	.6	1552				

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9 PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	13.2	3.8	.8	395				0	11.6	3.2		370
CATEGORY B				0	13.2	3.8	.8	395				0	11.6	3.2		370
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	12.8	3.2		376				0	13.0	2.5	.8	393
CATEGORY B				0	12.8	3.2		376				0	13.0	2.5	.8	393
TIME (LST)	0600 - 2000								ALL	HOURS						
SPEED KTS		GE10	GE15	GE25		OBS			GE10	GE15	GE25		OBS			
CATEGORY A		12.2	3.2			746			12.6	3.2	.4		1534			
CATEGORY B		12.2	3.2			746			12.6	3.2	.4		1534			

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSLWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 701210 STATION NAME: POINT LAY AK
LST TO UTC: + 9

PERIOD OF RECORD: JAN 73 - SEP 88
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100				
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				0	10.4	2.6	.3	4920					0	11.1	2.8	.2	4622
CATEGORY B				0	10.4	2.6	.3	4920					0	11.1	2.8	.2	4622
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300				
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				0	13.2	3.4	.3	4666					0	12.3	2.7	.3	4901
CATEGORY B				0	13.2	3.4	.3	4666					0	12.3	2.7	.3	4901
TIME (LST)	0600 - 2000				ALL HOURS												
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	
CATEGORY A				12.2	3.1	.3	9288						11.8	2.9	.3	19109	
CATEGORY B				12.2	3.1	.3	9288						11.8	2.9	.3	19109	

A W S	STATION NAME: POINT LAY AK LATITUDE/LONGITUDE: 69 44 N 163 01 W CLIMATIC BRIEF HOURLY OBS POR: JAN 73 - SEP 88 SUMMARY OF DAY POR: NO DATA AVAILABLE APR 91 LST TO UTC: +09												FIELD ELEV: 20 FT STATION MSC: 701210 CALL SIGN: PPIZ HOURS SUMMARIZED: SYNOPTIC HOURS 00,06,12,18 ZULU (03,09,15,21 LST) ONLY SUPERSEDES: N/A		
	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTMAX MAX TEMP (F)	39	48	47	57	60	75	82	82	78	63	47	43	82	15	
MEAN MAX TEMP (F)	-2	-6	-3	12	27	44	52	49	43	22	8	-1	20	15	
MEAN TEMP (F)	-8	-14	-10	2	24	40	48	46	35	16	2	-8	14	15	
MEAN MIN TEMP (F)	-13	-19	-16	-4	19	35	43	42	31	11	-2	-12	10	15	
EXTMIN MIN TEMP (F)	-54	-56	-46	-18	-8	23	28	24	12	-16	-40	-55	-56	15	
D/W TEMP GE 55 (F)	0	0	0	#	1	4	12	8	1	0	0	0	26	15	
D/W TEMP GE 45 (F)	0	#	#	3	5	14	25	22	16	6	#	0	91	15	
D/W TEMP LT 33 (F)	31	28	31	26	8	2	1	2	8	25	30	31	223	15	
D/W TEMP LT 0 (F)	25	24	24	21	1	0	0	0	#	6	19	26	146	15	
HEATING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	15	
COOLING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	15	
MEAN DEWPNT TEMP (F)	-12	-18	-19	-7	18	35	43	41	31	11	-5	-15	9	15	
MEAN WET BULB TEMP (F)	*	*	*	*	*	*	*	*	*	*	*	*	*	15	
99.95% WCPA (FT)	1200	950	800	750	650	600	600	750	800	1000	1100	1100	900	15	
MEAN REL HUM 07 LST(%)	69.0	67.0	63.0	68.0	80.0	88.0	90.0	91.0	88.0	82.0	73.0	71.0	77.5	15	
MEAN REL HUM 13 LST(%)	68.0	67.0	65.0	70.0	78.0	84.0	85.0	86.0	84.0	81.0	73.0	70.0	75.9	15	
MAX 24HR PRECIP (IN)	.6	.8	.6	.4	.8	1.4	2.4	2.5	1.8	1.5	1.1	1.7	2.6	15	
MAX PRECIP (IN)	2.7	1.6	2.7	.9	1.2	4.9	8.3	6.4	7.6	4.9	4.5	2.2	8.3	15	
MEAN PRECIP (IN)	.2	.6	.2	.2	.1	.9	2.0	2.1	1.8	1.7	.5	.5	11.6	15	
MIN PRECIP (IN)	#	#	#	#	#	.1	.5	.2	.1	#	#	#	#	15	
D/W PRECIP GE .01 (IN)	8	5	5	7	6	7	11	12	11	10	9	7	98	15	
D/W PRECIP GT .50 (IN)	#	1	1	0	#	1	1	1	1	1	1	1	9	15	
MAX 24HR SNFL (IN)	6.0	9.0	5.0	4.0	3.0	1.0	#	1.0	5.0	10.0	11.0	9.0	11.0	15	
MAX SNFL (IN)	25.0	20.0	10.0	14.0	6.0	6.0	2.0	4.0	13.0	36.0	34.0	16.0	36.0	15	
MEAN SNFL (IN)	4.0	4.0	3.0	4.0	2.0	1.0	#	#	4.0	12.0	8.0	4.0	47.0	15	
D/W SNFL GE .1 (IN)	8	5	5	4	2	1	1	1	5	14	11	7	64	15	
D/W SNFL GE 1.5 (IN)	1	#	#	#	#	#	#	1	2	1	1	1	6	15	
MAX DLY SNO DEPTH (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	15	
PRVNG WND DIR (DEG)	05-07	02-04	02-04	02-04	05-07	05-07	05-07	05-07	05-07	02-04	05-07	05-07	05-07	15	
MEAN WND SPD (KTS)	12	11	11	12	12	9	9	9	10	10	11	12	11	15	
MAX WND SPD (KTS)	66	65	40	61	55	67	66	66	62	66	80	70	80	15	
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	15	
D/W THUNDERSTORMS	0	0	#	#	#	1	1	#	0	#	0	0	3	15	
D/W FOG (VSBY LT 7 MI)	11	9	8	6	7	7	9	7	8	8	9	10	99	15	

LEGEND: ANN = ANNUAL

D/W = MEAN NUMBER OF DAYS WITH

& = BASED ON LESS THAN FULL MONTHS

** = INSTANTANEOUS PEAK WINDS

* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD

WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE

= LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

\\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN

WIND DIRECTION

MONTH		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
	LST														
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	15
	03 - 05	41.9	32.3	28.4	33.6	55.1	54.6	48.3	66.7	67.5	55.6	39.1	33.6	46.4	15
CIG	06 - 08	*	*	*	*	*	*	*	*	*	*	*	*	*	15
LT 3000 FT	09 - 11	41.0	33.0	41.3	43.1	59.1	59.0	55.2	71.6	72.5	59.7	43.2	35.8	51.2	15
AND/OR	12 - 14	*	*	*	*	*	*	*	*	*	*	*	*	*	15
VSBY	15 - 15	45.9	37.7	39.9	40.8	53.0	48.6	46.8	56.8	69.9	56.1	44.9	44.4	48.7	15
LT 3 MI	18 - 20	*	*	*	*	*	*	*	*	*	*	*	*	*	15
	21 - 23	39.5	34.1	35.4	34.4	50.5	42.0	43.3	59.8	70.6	57.4	43.3	38.7	45.7	15
	ALL	42.1	34.3	36.2	38.0	54.4	51.1	48.4	63.7	70.1	57.2	42.6	38.1	48.0	15
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	15
	03 - 05	36.0	25.5	23.1	27.5	43.3	40.2	35.1	45.5	50.6	40.4	31.7	28.9	35.6	15
CIG	06 - 08	*	*	*	*	*	*	*	*	*	*	*	*	*	15
LT 1500 FT	09 - 11	34.7	25.5	33.9	38.8	42.8	45.3	40.3	53.7	54.0	42.2	32.1	28.8	39.3	15
AND/OR	12 - 14	*	*	*	*	*	*	*	*	*	*	*	*	*	15
VSBY	15 - 15	39.0	29.2	34.7	34.5	37.7	33.4	31.5	40.8	48.2	39.4	37.6	38.6	37.0	15
LT 3 MI	18 - 20	*	*	*	*	*	*	*	*	*	*	*	*	*	15
	21 - 23	33.4	28.9	30.3	28.5	36.6	29.2	29.2	39.4	53.3	39.7	33.9	33.5	34.7	15
	ALL	35.8	27.3	30.5	32.3	40.1	37.0	34.0	44.9	51.5	40.4	33.8	32.4	36.7	15
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	15
	03 - 05	17.4	13.1	14.6	17.4	17.9	18.1	15.2	14.2	12.8	7.6	14.1	16.2	14.9	15
CIG	06 - 08	*	*	*	*	*	*	*	*	*	*	*	*	*	15
LT 1000 FT	09 - 11	18.5	12.8	24.8	26.4	19.1	19.4	16.8	27.9	23.2	12.3	13.4	16.9	19.3	15
AND/OR	12 - 14	*	*	*	*	*	*	*	*	*	*	*	*	*	15
VSBY	15 - 15	26.9	21.5	24.6	23.4	15.3	10.0	11.5	12.8	15.6	13.8	22.8	26.9	18.8	15
LT 2 MI	18 - 20	*	*	*	*	*	*	*	*	*	*	*	*	*	15
	21 - 23	19.3	17.2	20.7	17.6	15.3	9.3	11.4	12.7	17.7	10.9	15.9	22.0	15.8	15
	ALL	20.5	16.2	21.2	21.2	16.9	14.2	13.7	16.9	17.3	11.2	16.6	20.5	17.2	15
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	15
	03 - 05	8.4	5.8	6.4	7.9	7.0	7.4	4.5	2.0	2.6	.5	4.8	5.8	5.3	15
CIG	06 - 08	*	*	*	*	*	*	*	*	*	*	*	*	*	15
LT 200 FT	09 - 11	9.2	5.0	11.3	13.3	7.3	4.5	3.4	3.5	3.4	1.4	3.4	7.4	6.1	15
AND/OR	12 - 14	*	*	*	*	*	*	*	*	*	*	*	*	*	15
VSBY	15 - 15	13.4	10.0	13.4	12.1	4.7	1.1	1.6	.7	.6	2.6	9.2	9.0	6.5	15
LT 1/2 MI	18 - 20	*	*	*	*	*	*	*	*	*	*	*	*	*	15
	21 - 23	6.9	5.9	11.0	8.4	6.1	1.6	2.9	1.5	1.6	2.0	4.4	8.2	5.0	15
	ALL	9.5	6.9	10.5	10.4	6.3	3.7	3.1	1.9	2.1	1.6	5.4	7.6	5.7	15

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : THIS CLIMATIC BRIEF WAS CONSTRUCTED BY A CLIMATOLOGIST USING THE LIMITED DATA AVAILABLE (SYNOPTIC HOURS ONLY) AND CLIMATIC BRIEFS FROM NEARBY STATIONS. RECOMMENDATION: USE WITH EXTREME DISCRETION.